RX-558VBK
RX-558RBK

JVC

SERVICE MANUAL

AUDIO VIDEO CONTROL RECEVER

RX-558VBK
RX-558RBK

Area Suffix (RX-558VBK)	
J	The U.S.A
C	Canada
U	Universal
UY	Argentina

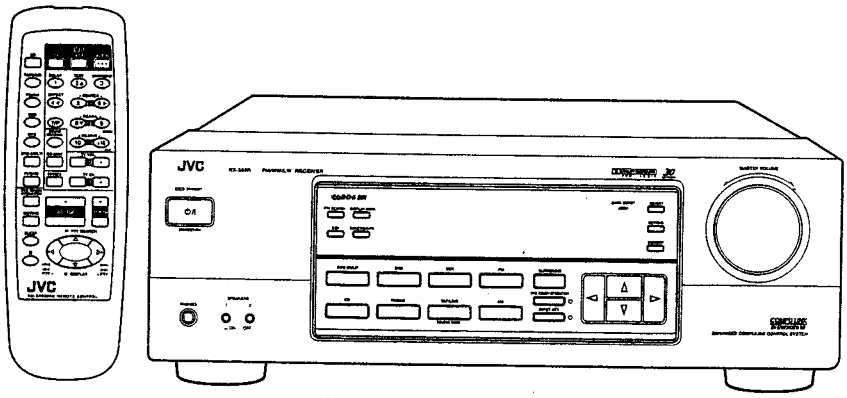
Area Suffix (RX-558RBK)	
E	Continental Europe
EN	Northern Europe
B	U.K.

COMPU LINK
Remote

3D-PHONIC

R·D·S EON

DOLBY SURROUND
PRO · LOGIC


This Illustration is RX-558RBK

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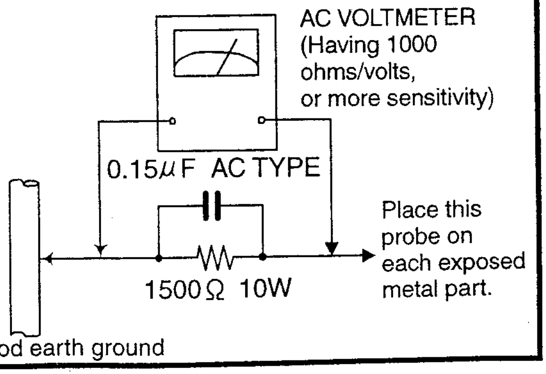
No.20739
Feb. 1999

Safety Precautions

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer`s warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet , particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.)
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to eachexposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. voltage measured Any must not exceed 0.75 V AC (r.m.s.).
     This corresponds to 0.5 mA AC (r.m.s.).


AC VOLTMETER
(Having 1000 ohms/volts, or more sensitivity)
0.15μF AC TYPE
Place this probe on each exposed metal part.
1500Ω 10W
Good earth ground

Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

⚠ *CAUTION* **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

JVC

VICTOR COMPANY OF JAPAN, LIMITED

EN, GE, FR, NL, SP, IT

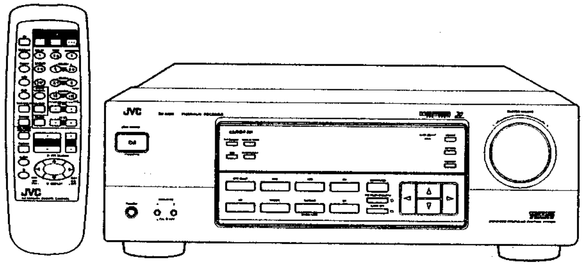
0299HIMMDWJEM

JVC

FM/MW/LW RECEIVER

UKW/MW/LW-RECEIVER
AMPLI/TUNER FM/PO/GO
FM/MG/LG TUNER/VERSTERKER
RECEPTOR FM/MW/LW
RICEVITORE MF/OM/OL

RX-558RBK



COMPU LINK Remote

3D-PHONIC

RDS EON

DOLBY SURROUND PRO · LOGIC

INSTRUCTIONS

BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS
GEBRUIKSAANWIJZING
MANUAL DE INSTRUCCIONES
ISTRUZIONI

For Customer Use:
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. ____________________

Serial No. ____________________

LVT0141-004A
[E]

Warnings, Cautions and Others/Warnung, Achtung und sonstige Hinweise/ Mises en garde, précautions et indications diverses/Waarschuwingen, voorzorgen en andere mededelingen/Avisos, precauciones y otras notas/ Avvertenze e precauzioni da osservare

IMPORTANT for the U.K.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied fitted with a mains plug then follow the instructions given below:

IMPORTANT.

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

Per l'Italia:

"Si dichiara che il questo prodotto di marca JVC è conforme alle prescrizioni del Decreto Ministeriale n.548 del 28/08/95 pubblicato sulla Gazzetta Ufficiale della Repubblica Italiana n.301 del 28/12/95."

Caution — STANDBY/ON ⏻/I switch!

Disconnect the mains plug to shut the power off completely. The STANDBY/ON ⏻/I switch in any position does not disconnect the mains line. The power can be remote controlled.

Achtung — STANDBY/ON ⏻/I-Schalter!

Den Netzstecker aus der Steckdose ziehen, um die Stromversorgung vollkommen zu unterbrechen. Der Schalter STANDBY/ON ⏻/I unterbrichet in keiner Stellung die Stromversorgung vollkommen. Die Stromversorgung kann mit der Fernbedienung ein- und ausgeschaltet werden.

Attention — Commutateur STANDBY/ON ⏻/I!

Déconnecter la fiche de secteur pour couper complètement le courant. Le commutateur STANDBY/ON ⏻/I ne coupe jamais complètement la ligne de secteur, quelle que soit sa position. Le courant peut être télécommandé.

Voorzichtig — STANDBY/ON ⏻/I schakelaar!

Om de stroomtoevoer geheel uit te schakelen, trekt u de stekker uit het stopkontakt. Anders zal er altijd een geringe hoeveelheid stroom naar het apparaat lopen, ongeacht de stand van de STANDBY/ON ⏻/I schakelaar. U kunt het apparaat ook met de afstandsbediening aan- en uitschakelen.

Precaución — Interruptor STANDBY/ON ⏻/I!

Desconectar el cable de alimentación para desactivar la alimentación totalmente. Cualquier que sea la posición de ajuste del interruptor STANDBY/ON ⏻/I, la alimentación no es cortada completamente. La alimentación puede ser controlada remotamente.

Attenzione — L'interruttore STANDBY/ON ⏻/I!

Disinserire la spina del cavo di alimentazione dalla presa della rete elettrica per staccare completamente l'alimentazione. L'interruttore STANDBY/ON ⏻/I in nessuna posizione stacca la linea di alimentazione elettrica principale. È possibile il controllo remoto dell'alimentazione.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ACHTUNG

Zur Verhinderung von elektrischen Schlägen, Brandgefahr, usw:

1. Keine Schrauben lösen oder Abdeckungen enternen und nicht das Gehäuse öffnen.
2. Dieses Gerät weder Regen noch Feuchtigkeit aussetzen.

ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie, etc.:

1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

VOORZICHTIG

Ter vermindering van gevaar voor brand, elektrische schokken, enz.:

1. Verwijder geen schroeven, panelen of de behuizing.
2. Stel dit toestel niet bloot aan regen of vocht.

PRECAUCIÓN

Para reducir riesgos de choques eléctricos, incendio, etc.:

1. No extraiga los tornillos, los cubiertas ni la caja.
2. No exponga este aparato a la llúvia o a la humedad.

ATTENZIONE

Per ridurre il rischio di scosse elettriche, incendi, ecc...

1. Non togliere viti, coperchi o la scatola.
2. Non esporre l'apparecchio alla pioggia e all'umidità.

Caution: Proper Ventilation

To avoide risk of electric shock and fire and to protect from damage.
Locate the apparatus as follows:
Front: No obstructions open spacing.
Sides: No obstructions in 10 cm from the sides.
Top: No obstructions in 10 cm from the top.
Back: No obstructions in 15 cm from the back
Bottom: No obstructions, place on the level surface.
In addition, maintain the best possible air circulation as illustrated.

Achtung: Angemessene Ventilation

Stellen Sie das Gerät zur Verhütung von elektrischem Schlag und Feuer und zum Schutz gegen Beschädigung wie folgt auf:
Vorderseite: Offener Platz ohne Hindernisse.
Seiten: Keine Hindernisse innerhalb 10 cm von den Seiten.
Oberseite: Keine Hindernisse innerhalb 10 cm von der Oberseite.
Rückseite: Keine Hindernisse innerhalb 15 cm von der Rückseite.
Unterseite: Keine Hindernisse. Auf eine ebene Oberfläche stellen.
Zusätzlich die bestmögliche Luftzirkulation wie gezeigt erhalten.

Attention: Ventilation Correcte

Pour éviter les chocs électriques, l'incendie et tout autre dégât.
Disposer l'appareil en tenant compte des impératifs suivants
Avant: Rien ne doit gêner le dégagement
Flancs: Laisser 10 cm de dégagement latéral
Dessus: Laisser 10 cm de dégagement supérieur
Arrière: Laisser 15 cm de dégagement arrière
Dessous: Rien ne doit obstruer par dessous; poser l'appareil sur une surface plate.
Veiller également à ce que l'air circule le mieux possible comme illustré.

Voorzichtig: Zorg Voor Goede Ventilatie

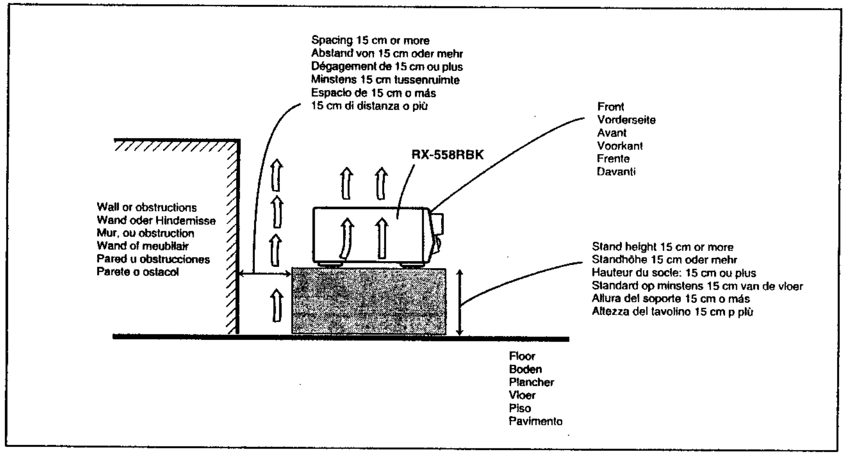
Om gevaar voor brand of een elektrische schok te voorkomen, dient u bij opstelling van het apparaat op de volgende punten te letten:
Voorkant: Voldoende ruimte vrij houden.
Zijkanten: Minstens 10 cm aan weerszijden vrij houden.
Bovenkant: Niets bovenop plaatsen; 10 cm speling geven.
Achterkant: Minstens 15 cm ruimte achteraan vrij houden.
Onderkant: Opstellen op een egaal horizontaal oppervlak.
Bovendien moet er rondom voldoende luchtdoorstroming zijn, zoals in de afbeelding aangegeven.

Precaución: Ventilación Adecuada

Para evitar el riesgo de choque eléctrico e incendio y para proteger el aparato contra daños.
Ubique el aparato de la siguiente manera:
Frente: Espacio abierto sin obstrucciones
Lados: 10 cm sin obstrucciones a los lados
Parte superior: 10 cm sin obstrucciones en la parte superior
Parte trasera: 15 cm sin obstrucciones en la parte trasera
Fondo: Sin obstrucciones, colóquelo sobre una superficie nivelada
Además, mantenga la mejor circulación de aire posible como se ilustra.

Attenzione: Problemi di Ventilazione

Per evitare il rischio di folgorazioni ed incendi e proteggere l'unità da danni, installarla nel modo seguente.
Davanti: Nessun ostacolo, spazio libero
Lati: Nessun ostacolo per almeno 10 cm
Sopra: Nessun ostacolo per almeno 10 cm
Retro: Nessun ostacolo per almeno 15 cm
Fondo: Libero ed in piano
Inoltre, mantenere il più possibile la circolazione dell'aria.



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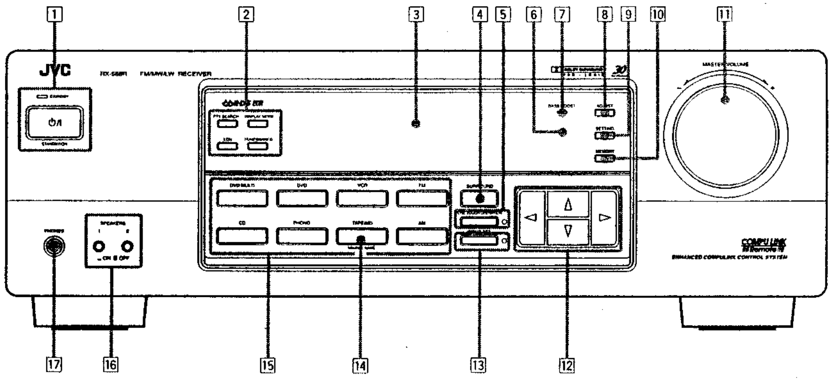
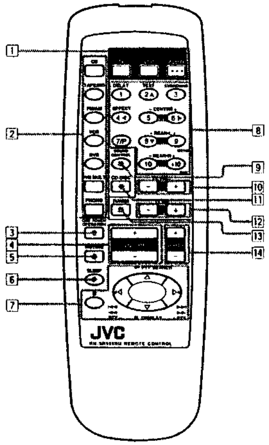
Parts Identification

Become familiar with the buttons and controls on the receiver before use.
Refer to the pages in parentheses for details.





Front Panel

1. STANDBY/ON ⏻/I button and STANDBY lamp (8)
2. RDS operation buttons (14)
   PTY SEARCH, DISPLAY MODE, EON, TA/NEWS/INFO
3. Display (8)
4. SURROUND button (18)
5. ONE TOUCH OPERATION button and lamp (12)
6. Remote sensor (7)
7. BASS BOOST lamp (10)
8. ADJUST button (10) *
9. SETTING button (11) *
10. MEMORY button (13)
11. MASTER VOLUME control (9)
12. Cursor control buttons
13. INPUT ATT. button and lamp (10)
14. SOURCE NAME button (11)
15. Source selecting buttons (8)
    DVD MULTI, DVD, VCR, FM*, AM*, TAPE/MD, PHONO, CD
16. SPEAKERS 1/2 buttons (9)
17. PHONES jack (9)

Remote Control

1. ⏻/I buttons (8, 25)
   TV, VCR, AUDIO
2. Source selecting buttons (8)
   CD, TAPE/MD, FM/AM, VCR, DVD, DVD MULTI, PHONO
3. ONE TOUCH OPERATION button (12)
4. VOLUME +/– buttons (9)
5. MUTING button (9)
6. SLEEP button (12)
7. - Operating buttons for audio/video components (24)
   - RDS operation buttons (14)
     PTY SEARCH, PTY +/–, DISPLAY
8. - 10 keys for selecting preset channel (13, 24)
   - 10 keys for adjusting sound (12, 19, 24)
   - 10 keys for operating audio/video components (24)
9. SOUND CONTROL button (12, 19, 24)
10. TV VOL. –/+ buttons (25)
11. CD-DISC button (24)
12. TV CH –/+ buttons (25)
13. TV/VIDEO button (25)
14. VCR CH +/– buttons (25)

IMPORTANT:

To use the Cursor control buttons (12) on the front panel:
What these buttons actually do depends on which function you are trying to adjust. Before using these buttons, select the function by pressing one of the buttons marked with *.

Getting Started

This section explains how to connect audio/video components and speakers to the receiver, and how to connect the power supply.

Before Installation

General

- Be sure your hands are dry.
- Turn the power off to all components.
- Read the manuals supplied with the components you are going to connect.

Locations

- Install the receiver in a location that is level and protected from moisture.
- The temperature around the receiver must be between –5° and 35° C (23° and 95° F).
- Make sure there is good ventilation around the receiver. Poor ventilation could cause overheating and damage the receiver.

Handling the receiver

- Do not insert any metal object into the receiver.
- Do not disassemble the receiver or remove screws, covers, or cabinet.
- Do not expose the receiver to rain or moisture.

Checking the Supplied Accessories

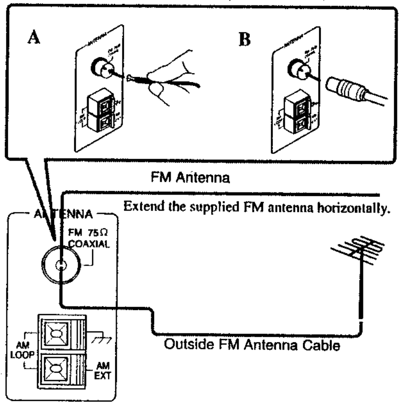
Check to be sure you have all of the following items, which are supplied with the receiver.
The number in the parentheses indicates quantity of the pieces supplied.

- **Remote Control (1)**
- **Batteries (2)**
- **AM (MW/LW) Loop Antenna (1)**
- **FM Antenna (1)**

If anything is missing, contact your dealer immediately.

Connecting the FM and AM (MW/LW) Antennas

FM Antenna Connections



Extend the supplied FM antenna horizontally.

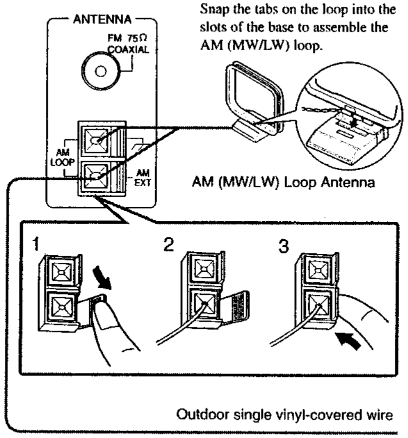
A. Using the Supplied FM Antenna
The FM antenna provided can be connected to the FM 75Ω COAXIAL terminal as temporary measure.

B. Using the Standard Type Connector (Not Supplied)
A standard type connector (IEC or DIN45325) should be connected to the FM 75Ω COAXIAL terminal.

Note:

If reception is poor, connect the outside antenna.
Before attaching a 75Ω coaxial cable (the kind with a round wire going to an outside antenna), disconnect the supplied FM antenna.

AM (MW/LW) Antenna Connections



Snap the tabs on the loop into the slots of the base to assemble the AM (MW/LW) loop.

Turn the loop until you have the best reception.

Notes:

- ***Make sure the antenna conductors do not touch any other terminals, connecting cords and power cord. This could cause poor reception.***
- ***If reception is poor, connect an outdoor single vinyl-covered wire to the AM EXT terminal. (Keep the AM (MW/LW) loop antenna connected.)***

Connecting the Speakers

You can connect the following speakers:

- Two pairs of front speakers to produce normal stereo sound.
- One pair of rear speakers to enjoy the surround effect.
- One center speaker to produce more effective surround effect (to emphasize human voices).
- One subwoofer to enhance the bass.

IMPORTANT:

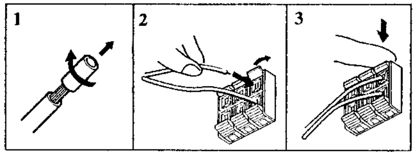
After connecting the speakers listed above, set the speaker setting information properly to obtain the best possible DSP effect. For details, see page 11.

For each speaker (except for a subwoofer), connect the (–) and (+) terminals on the rear panel to the (–) and (+) terminals marked on the speakers. For connecting a subwoofer, see page 5.

CAUTION:

Use speakers with the SPEAKER IMPEDANCE indicated by the speaker terminals.

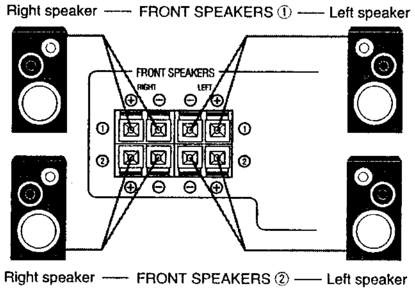
Basic connecting procedure



1. **Cut, twist and remove the insulation at the end of each speaker signal cable.**
2. **Open the terminal and then insert the speaker signal cable.**
3. **Close the terminal.**

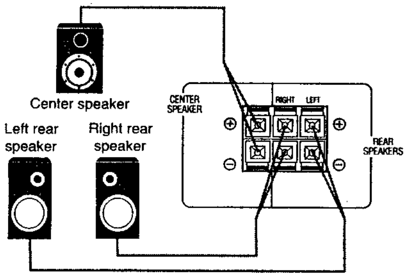
Connecting the front speakers

You can connect two pairs of front speakers (one pair to the FRONT SPEAKERS ① terminals, and another pair to the FRONT SPEAKERS ② terminals).


Right speaker —— FRONT SPEAKERS ① —— Left speaker
FRONT SPEAKERS
RIGHT
LEFT
①
②
Right speaker —— FRONT SPEAKERS ② —— Left speaker

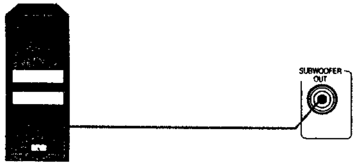
Connecting the rear and center speakers

Connect rear speakers to the REAR SPEAKERS terminals and a center speaker to the CENTER SPEAKER terminals.


Center speaker
Left rear speaker
Right rear speaker
CENTER SPEAKER
RIGHT
LEFT
REAR SPEAKERS
⊕
⊖

Connecting the subwoofer speaker

You can enhance the bass by connecting a subwoofer.
Connect the input jack of a powered subwoofer to the SUBWOOFER OUT jack on the rear panel, using a cable with RCA pin plugs.


SUBWOOFER OUT

Powered subwoofer

Connecting Other Components

You can connect the following audio/video components to this receiver using cables with RCA pin plugs (not supplied). Refer also to the manuals supplied with your components.

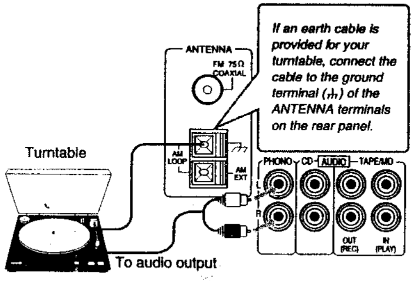
Use the cables with RCA pin plugs (not supplied).
Connect the white plug to the audio left jack, and the red plug to the audio right jack.

Audio component connections

CAUTION:

If you connect a sound-enhancing device such as a graphic equalizer between the source components and this receiver, the sound output through this receiver may be distorted.

Turntable

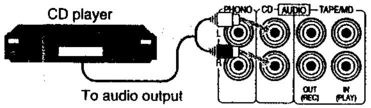

ANTENNA
FM 75Ω COAXIAL
AM LOOP
AM EXT
Turntable
To audio output
PHONO
CD
AUDIO
TAPE/MD
L
R
OUT (REC)
IN (PLAY)

If an earth cable is provided for your turntable, connect the cable to the ground terminal (⏚) of the ANTENNA terminals on the rear panel.

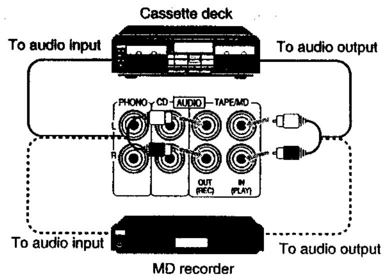
Note:

Any turntables incorporating a small-output cartridge such as an MC (moving-coil type) must be connected to this receiver through a commercial head amplifier or step-up transformer. Direct connection may result in insufficient volume.

CD player


CD player
To audio output
PHONO
CD
AUDIO
TAPE/MD
L
R
OUT (REC)
IN (PLAY)

Cassette deck or MD recorder


Cassette deck
To audio input
To audio output
PHONO
CD
AUDIO
TAPE/MD
L
R
OUT (REC)
IN (PLAY)
To audio input
To audio output
MD recorder

Note:

You can connect either a cassette deck or an MD recorder to the TAPE/MD jacks. When connecting an MD recorder to the TAPE/MD jacks, change the source name, which will be shown on the display when selected as the source, to "M D." See page 11 for details.

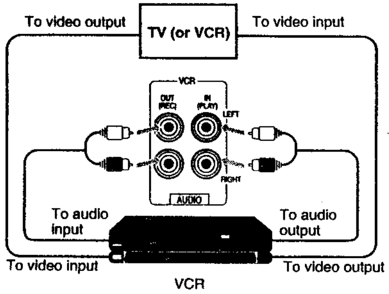
If your audio components have a COMPU LINK-3 terminal

See also page 23 for detailed information about the connection and the COMPU LINK-3 remote control system.

Video component connections

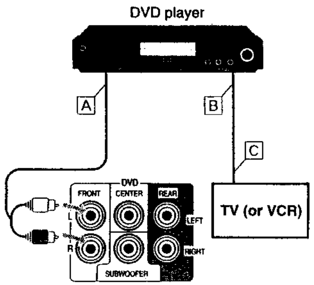
You can connect the following video components to this receiver.
- You can reproduce only the sound from the video equipment through this receiver.

VCR


To video output
TV (or VCR)
To video input
VCR
OUT (REC)
IN (PLAY)
LEFT
RIGHT
AUDIO
To audio input
To audio output
To video input
To video output
VCR

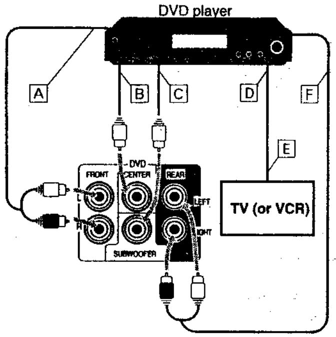
DVD player

- When you connect the DVD player with stereo output jacks:


DVD player
A
B
C
TV (or VCR)
DVD
FRONT
CENTER
REAR
LEFT
RIGHT
L
R
SUBWOOFER

A To front left/right channel audio output (or to audio mixed output if necessary)
B To video output
C To video input

- When you connect the DVD player with its analog discrete output (5.1 CH reproduction) jacks:

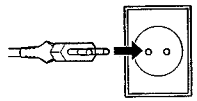

DVD player
A
B
C
D
E
F
TV (or VCR)
DVD
FRONT
CENTER
REAR
LEFT
RIGHT
SUBWOOFER

A To front left/right channel audio output
B To center channel audio output
C To subwoofer audio output
D To video output
E To video input
F To rear left/right channel audio output

Connecting the Power Cord

Before plugging the receiver into an AC outlet, make sure that all connections have been made.

Plug the power cord into an AC outlet.



Keep the power cord away from the connecting cables and the antenna. The power cord may cause noise or screen interference. We recommend that you use a coaxial cable to connect the antenna, since it is well-shielded against interference.

Note:

The preset settings such as preset channels and sound adjustment may be erased in a few days in the following cases:

- *When you unplug the power cord.*
- *When a power failure occurs.*

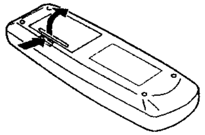
CAUTIONS:

- Do not touch the power cord with wet hands.
- Do not pull on the power cord to unplug the cord. When unplugging the cord, always grasp the plug so as not to damage the cord.

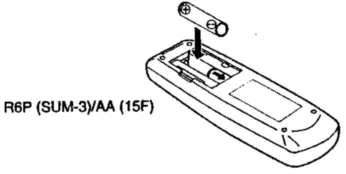
Putting Batteries in the Remote Control

Before using the remote control, put two supplied batteries first. When using the remote control, aim the remote control directly at the remote sensor on the receiver.

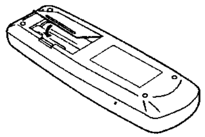
1. **On the back of the remote control, remove the battery cover as illustrated.**



2. **Insert batteries. Make sure to observe the proper polarity: (+) to (+) and (–) to (–).**



3. **Replace the cover.**



If the range or effectiveness of the remote control decreases, replace the batteries. Use two R6P (SUM-3)/AA (15F) type dry-cell batteries.

CAUTION:

Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity indicated: (+) to (+) and (–) to (–).
- Use the correct type of batteries. Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

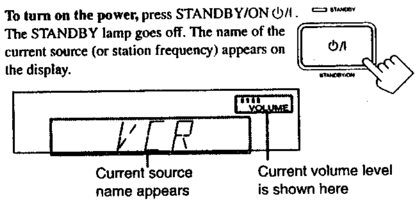
Basic Operations

The following operations are commonly used when you play any sound source.

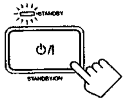
Turning the Power On and Off (Standby)

On the front panel:

To turn on the power, press STANDBY/ON ⏻/I.
The STANDBY lamp goes off. The name of the current source (or station frequency) appears on the display.


STANDBY
STANDBY/ON
VOLUME
VCR
Current source name appears
Current volume level is shown here

To turn off the power (into standby mode), press STANDBY/ON ⏻/I again.
The STANDBY lamp lights up. A small amount of power is consumed in standby mode.
To turn the power off completely, unplug the AC power cord.



From the remote control:

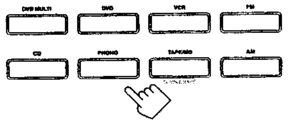
To turn on the power, press AUDIO ⏻/I.
The STANDBY lamp goes off. The name of the current source (or station frequency) appears on the display.

To turn off the power (into standby mode),
press AUDIO ⏻/I again.
The STANDBY lamp lights up.

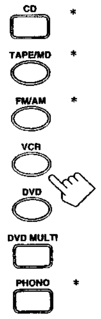
Selecting the Source to Play

Press one of the source selecting buttons.

On the front panel:

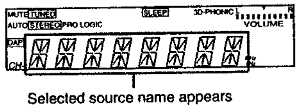


From the remote control:



Note:

When you press one of the source selecting buttons, marked above with an asterisk (*), on the remote control, the receiver automatically turns on.



On the front panel:

DVD MULTI	Select the DVD player for viewing the digital video disc using the analog discrete output mode (5.1CH reproduction) on the DVD player. To enjoy the DVD MULTI playback, see page 22.
DVD	Select the DVD player for viewing the stereo digital video disc.
VCR	Select the video component connected to the VCR jacks.
FM	Select an FM broadcast.
AM	Select an AM (MW/LW) broadcast.
TAPE/MD	Select the cassette deck (or the MD recorder).
PHONO	Select the turntable.
CD	Select the CD player.

From the remote control:

FM/AM	Select an FM or AM (MW/LW) broadcast. Each time you press the button, the band alternates between FM and AM (MW/LW).

- *Other buttons function in the same way as the buttons on the front panel.*

Note:

When connecting an MD recorder (to the TAPE/MD jacks), change the source name that appears on the display. See page 11 for details.

Adjusting the Volume

On the front panel:

MASTER VOLUME

To increase the volume, turn MASTER VOLUME clockwise.
To decrease the volume, turn it counterclockwise.

- When you turn MASTER VOLUME rapidly, the volume level also changes rapidly.
- When you turn MASTER VOLUME slowly, the volume level also changes slowly.

From the remote control:

To increase the volume, press VOLUME +.
To decrease the volume, press VOLUME –.

CAUTION:

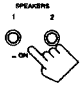
Always set the volume to the minimum before starting any source. If the volume is set at its high level, the sudden blast of sound energy can permanently damage your hearing and/or ruin your speakers.

Note:

The volume level can be adjusted within the range of "0" (minimum) to "80" (maximum).

Selecting the Front Speakers

On the front panel ONLY:



When you have connected two pairs of the front speakers, you can select which to use. Pressing SPEAKERS 1 or SPEAKERS 2 activates the respective set of speakers.

- **To use the speakers connected to the FRONT SPEAKERS ① terminals,** press SPEAKERS 1 to set it in the ▬ ON position, and press SPEAKERS 2 to set it in the ■ OFF position.
- **To use the speakers connected to the FRONT SPEAKERS ② terminals,** press SPEAKERS 2 to set it in the ▬ ON position, and press SPEAKERS 1 to set it in the ■ OFF position.
- **To use both sets of the speakers,** press SPEAKERS 1 to set it in the ▬ ON position, and press SPEAKERS 2 to set it in the ▬ ON position.
- **To use neither set of the speakers,** press SPEAKERS 1 and SPEAKERS 2 to set them in the ■ OFF position.

Note:

When only one set of the speakers is connected to either the FRONT SPEAKERS ① or ② terminals, do not activate both pairs of the speakers. If you do, no sound comes out of the front speakers.

Listening only with headphones

1. Connect a pair of headphones to the PHONES jack on the front panel.
2. Press SPEAKERS 1 and SPEAKERS 2 to set them in the ■ OFF position.

CAUTION:

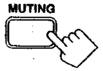
Be sure to turn down the volume before connecting or putting on headphones, as high volume can damage both the headphones and your hearing.

Note:

You cannot shut off the sound through the other speakers using the SPEAKERS 1 and 2 buttons.

Muting the Sound

From the remote control ONLY:



Press MUTING to mute the sound through all speakers and headphones connected.
"MUTING" appears on the display and the volume turns off (the volume level indicator goes off).

To restore the sound, press MUTING again.

- Turning MASTER VOLUME or pressing VOLUME +/– also restores the sound.

Recording a Source

You can record any source playing through the receiver to a cassette deck (or an MD recorder) connected to the TAPE/MD jacks and the VCR connected to the VCR jacks at the same time.

While recording, you can listen to the selected sound source at whatever sound level you like, without affecting the sound levels of the recording.

Note:

The output volume level, tone adjustment (see page 10), Bass Boost (see page 10) and DSP modes (see page 17) cannot affect the recording.

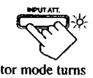
IMPORTANT:

Before recording, turn off the DVD MULTI playback mode.

Attenuating the Input Signal

When the input level of the playing source is too high, the sounds will be distorted. If this happens, you need to attenuate the input signal level to prevent the sound distortion.

On the front panel ONLY:



Press INPUT ATT. so that the lamp next to the button lights up.

- Each time you press the button, the Input Attenuator mode turns on or off.

Note:

When selecting "DVDMULTI" as the source, this effect only applies to front left and right channel signals.

Adjusting the Front Speaker Output Balance

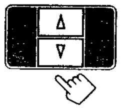
If the sounds you hear from the front right and left speakers are unequal, you can adjust the speaker output balance.

Before you start, remember...

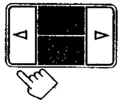
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel ONLY:

1. **Press ADJUST so that the cursor control △ / ▽ buttons work for adjusting the sound.**



2. **Press cursor control △ / ▽ repeatedly until "BALANCE" appears on the display.**



3. **Press cursor control ◁ / ▷ to adjust the balance.**
   - Pressing ◁ decreases the right channel output.
   - Pressing ▷ decreases the left channel output.

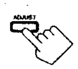
Reinforcing the Bass

With this Bass Boost function, you can boost the bass level.

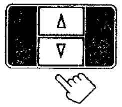
Before you start, remember...

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

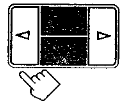
On the front panel ONLY:



1. **Press ADJUST so that the cursor control △ / ▽ buttons work for adjusting the sound.**



2. **Press cursor control △ / ▽ repeatedly until "B–BOOST" appears on the display.**



3. **Press cursor control ◁ / ▷ to switch this function "ON" or "OFF."**
   - When this function is switched "ON," the BASS BOOST lamp on the front panel lights up.

Note:

The Bass Boost function affects the front speaker sounds only.

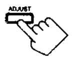
Adjusting the Tone

You can adjust the treble and bass sounds as you like.

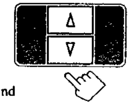
Before you start, remember...

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

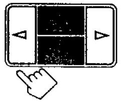
On the front panel ONLY:



1. **Press ADJUST so that the cursor control △ / ▽ buttons work for adjusting the sound.**



2. **Press cursor control △ / ▽ repeatedly until "– BASS +" or "–TREBLE+" appears on the display.**
   - Select "– BASS +" to adjust the bass sound level.
   - Select "–TREBLE+" to adjust the treble sound level.



3. **Press cursor control ◁ / ▷ to adjust the bass or treble sound level within the range of –10 to +10.**
   - Each time you press the button, the sound level changes by ±2 steps.

Basic Settings

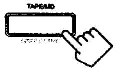
Some of the following settings are required after connecting and positioning your speakers in your listening room, while others will make operations easier.

Changing the Source Name

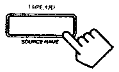
When you have connected an MD recorder to the TAPE/MD jacks on the rear panel: Change the source name shown on the display when you select the MD recorder as the source.

On the front panel ONLY:

When changing the source name from "TAPE" to "M D":



1. Press TAPE/MD.
- Make sure "TAPE" appears on the display.



2. Press and hold SOURCE NAME (the same button as TAPE/MD) until "M D" appears on the display.

To change the source name from "M D" to "TAPE," repeat the same procedure above (in step 1, make sure "M D" appears on the display).

Note:

Without changing the source name, you can still use the connected components. However, there may be some inconvenience.
- *"TAPE" will appear on the display when you select the MD recorder.*
- *You cannot use the COMPU LINK remote control system (see page 25) to operate the MD recorder.*

Setting Center and Rear Speakers for the DSP Modes

To obtain the best possible surround sound of the DSP (Digital Signal Processor) modes (see page 17), you have to register the information about the speaker arrangement after all connections are completed.

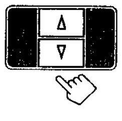
Center Speaker Setting

Register the center speaker size.

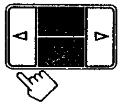
Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel ONLY:

1. Press SETTING so that the cursor control △ / ▽ buttons work for setting the center speaker size.



2. Press cursor control △ / ▽ repeatedly until "CNTR SPK" (Center Speaker) appears on the display.



3. Press cursor control ◁ / ▷ to select your center speaker size.

→ LARGE ←→ SMALL ←→ NO ←

LARGE:	Select this mode when the size of the center speaker is the same as that of the front speakers.
SMALL:	Select this mode when the size of the center speaker is smaller than that of the front speakers.
NO:	Select this mode when you do not use a center speaker.

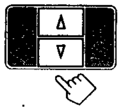
Rear Speaker Setting

Register whether you have connected the rear speakers or not.

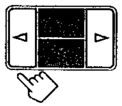
Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

On the front panel ONLY:

1. Press SETTING so that the cursor control △ / ▽ buttons work for setting the rear speaker information.



2. Press cursor control △ / ▽ repeatedly until "REAR SPK" (Rear Speaker) appears on the display.



3. Press cursor control ◁ / ▷ to register whether you have connected the rear speakers.

YES:	Select this mode when you use rear speakers.
NO:	Select this mode when you do not use rear speakers.

Note:

When you change your speakers, you need to register the information about the speakers again.

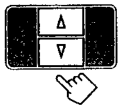
Delay Time Setting

Register the delay time of the sound from the rear speakers, comparing the sound from the front speakers.

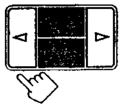
Before you start, remember...
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You can adjust the delay time only when you have connected the rear speakers and have set "REAR SPK" to "YES" (See above).
- Delay time setting is only valid for "PROLOGIC" (see page 17).

On the front panel:

1. Press SETTING so that the cursor control △ / ▽ buttons work for setting the delay time.



2. Press cursor control △ / ▽ repeatedly until "–DELAY +" appears on the display.



3. Press cursor control ◁ / ▷ to select an appropriate delay time.

→ DELAY 1 ←→ DELAY 2 ←
→ DELAY 3 ←

DELAY 1:	Select this mode when the distance from you to your rear speakers is greater than that to the front speakers.
DELAY 2:	Select this mode when the distance from you to your rear speakers is almost equal to that to the front speakers.
DELAY 3:	Select this mode when the distance from you to your rear speakers is less than that to the front speakers.

From the remote control:

1. Press SOUND CONTROL.
2. Press SURROUND repeatedly until "PROLOGIC" appears on the display.
3. Press DELAY repeatedly until an appropriate delay time appears on the display.

Storing the Basic Settings and Adjustments — One Touch Operation

JVC's One Touch Operation function is used to assign and store different sound settings for each different playing source. By using this function, you do not have to change the settings every time you change the source. The stored settings for the newly selected source are automatically recalled.

The following can be stored for each source:
- Volume level (see page 9)
- Input Attenuator (see page 10)
- Balance (see page 10)
- Bass Boost (see page 10)
- Tone adjustment (see page 10)
- DSP modes
  - 3D-PHONIC mode settings (see page 19)
  - DAP mode settings (see page 19)
  - Surround mode settings (see page 20)
- DVD MULTI playback mode settings (see page 22)

To store the sound settings

1. Press ONE TOUCH OPERATION.
The ONE TOUCH OPERATION lamp lights up, then the previously memorized settings are recalled.

ONE TOUCH OPERATION

On the front panel

ONE TOUCH OPERATION

On the remote

2. Adjust the sound using the functions listed to the left.
The newly adjusted settings are memorized.

To recall the sound settings

With the ONE TOUCH OPERATION lamp lit, the settings for the currently selected source are recalled, when the source is selected.

To cancel the One Touch Operation function

Press ONE TOUCH OPERATION so that the lamp goes off.
(Even though the One Touch Operation function is canceled, the recalled sound effects remain active.)

Notes:
- *If the source is FM or AM (MW/LW), you can assign a different setting for each band.*
- *The DSP modes and DVD MULTI playback mode cannot be used at the same time.*

Using the Sleep Timer

Using the Sleep Timer, you can fall asleep to music and know the receiver will turn off by itself rather than play all night.

From the remote control ONLY:

Press SLEEP repeatedly.
The SLEEP indicator lights up on the display, and the shut-off time changes as follows (in minutes):

→ 10 → 20 → 30 → 40 → 50 → 60 → 70 → 80 →
0 (Canceled) ←

When the shut-off time comes
The receiver turns off automatically.

To check or change the time remaining until the shut-off time

Press SLEEP once.
The remaining time until the shut-off time appears in minutes.
- To change the shut-off time, press SLEEP repeatedly.

To cancel the Sleep Timer

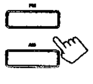
Press SLEEP repeatedly until "0" appears on the display. (The SLEEP indicator goes off.)
Turning off the power also cancels the Sleep Timer.

Receiving Radio Broadcasts

You can browse through all the stations or use the preset function to go immediately to a particular station.

Tuning in Stations Manually

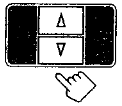
On the front panel ONLY:



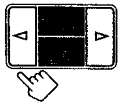
1. Press FM or AM.

The last station of the selected band is tuned in.

- The cursor control △ / ▽ / ◁ / ▷ buttons can be now used for operating the tuner.



2. Press cursor control △ / ▽ repeatedly until "–TUNING+" appears on the display.



3. Press cursor control ◁ / ▷ until you find the frequency you want.

- Pressing ◁ decreases the frequency.
- Pressing ▷ increases the frequency.

Notes:

- *When you hold cursor control ◁ / ▷ in step 3, the frequency keeps changing until a station is tuned in.*
- *When a station of sufficient signal strength is tuned in, the TUNED indicator lights up on the display.*
  When an FM stereo program is received, the STEREO indicator also lights up.

Using Preset Tuning

Once a station is assigned to a channel number, the station can be quickly tuned. You can preset up to 30 FM and 15 AM (MW/LW) stations.

In order to use the special functions available for RDS broadcasts, you need to preset the RDS stations. Both PTY Search and EON functions (see pages 15 and 16) are applicable only to preset stations.

To store the preset stations

Before you start, remember...

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

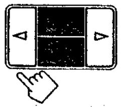
On the front panel ONLY:

1. Tune in the station you want to preset (see above).

If you want to store the FM reception mode for this station, select the FM reception mode you want. See "Selecting the FM Reception Mode" on page 14.

2. Press MEMORY.

"CH-" appears and the channel number position starts flashing on the display for about 5 seconds.



3. Press cursor control ◁ / ▷ to select a channel number while the channel number position is flashing.

Note:

You can use the 10 keys on the remote control to select the preset number. When using the 10 keys, be sure that they are activated for the tuner, not for the CD and others. (See page 24.)

4. Press MEMORY again while the selected channel number is flashing on the display.

The selected channel number stops flashing.
The station is assigned to the selected channel number.

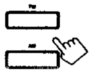
5. Repeat steps 1 to 4 until you store all the stations you want.

To erase a stored preset station

Storing a new station on a used number erases the previously stored one.

To tune in a preset station

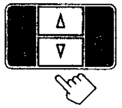
On the front panel:



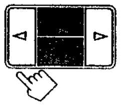
1. Press FM or AM.

The last station of the selected band is tuned in.

- The cursor control △ / ▽ / ◁ / ▷ buttons can be now used for operating the tuner.



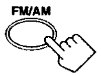
2. Press cursor control △ / ▽ repeatedly until "–PRESET+" appears on the display.



3. Press cursor control ◁ / ▷ to select a preset channel station.

- Pressing ◁ decreases the preset channel number.
- Pressing ▷ increases the preset channel number.

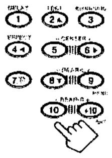
From the remote control:



1. Press FM/AM.

The last station is tuned in.

- Each time you press the button, the band alternates between FM and AM (MW/LW).



2. Press the 10 keys to select a preset channel number.

- For channel number 5, press 5.
- For channel number 15, press +10 then 5.
- For channel number 20, press +10 then 10.
- For channel number 30, press +10, +10, then 10.

Note:

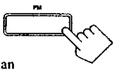
When you use the 10 keys on the remote control, be sure that they are activated for the tuner, not for the CD and others. (See page 24.)

Selecting the FM Reception Mode

When an FM stereo broadcast is hard to receive or noisy

You can change the FM reception mode while receiving an FM broadcast.

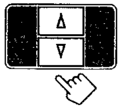
On the front panel ONLY:



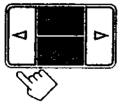
1. Press FM.

The last station of the selected band is tuned in.

- The cursor control △ / ▽ / ◁ / ▷ buttons can be now used for operating the tuner.



2. Press cursor control △ / ▽ repeatedly until "FM MODE" appears on the display.



3. Press cursor control ◁ / ▷ to switch the FM reception "FM AUTO" or "FM MONO."

FM AUTO: When a program is broadcasted in stereo, you will hear stereo sound; when in monaural, you will hear monaural sounds. This mode is also useful to suppress static noise between stations. The MUTE AUTO indicator lights up on the display.

FM MONO: Reception will be improved although you will lose the stereo effect. In this mode, you will hear noise while tuning into the stations. The MUTE AUTO indicator goes off on the display.

Using the RDS (Radio Data System) to Receive FM Stations

RDS allows FM stations to send an additional signal along with their regular program signals. For example, the stations send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

When tuned to an FM station which provides the RDS service, the RDS indicator lights up on the display.

With the receiver, you can receive the following types of RDS signals.

PS (Program Service) : shows commonly known station names
PTY (Program Type) : shows types of broadcast programs
RT (Radio Text) : shows text messages the station sends
EON (Enhanced Other Network): see page 16.

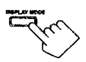
Notes:

- *RDS is not available for AM (MW/LW) broadcasts.*
- *RDS may not operate correctly if the station tuned is not transmitting RDS signal properly or if the signal strength is weak.*

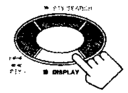
What Information Can RDS Signals Provide?

You can see the RDS signals the station sends on the display.

To show the RDS signals
Press DISPLAY MODE on the front panel (or DISPLAY on the remote control) while listening to an FM station.

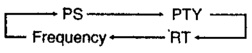


On the front panel



On the remote

- Each time you press the button, the display changes to show you the following information:



PS (Program Service):	While searching, "PS" appears and then the station names will be displayed. "NO PS" appears if no signal is sent.
PTY (Program Type):	While searching, "PTY" appears and then the type of the broadcast program will be displayed. "NO PTY" appears if no signal is sent.
RT (Radio Text):	While searching, "RT" appears and then text messages the station sends will be displayed. "NO RT" appears if no signal is sent.
Frequency:	Station frequency (non-RDS service)

About characters shown on the display

When the display shows PS, PTY, or RT signals, the following characters are used.

- The display cannot differentiate upper case and lower case letters and always uses upper case letters.
- The display cannot show accented letters, "A," for instance, may stand for accented "A's" like "Å, Ä, Ã, Á, À, and Â."

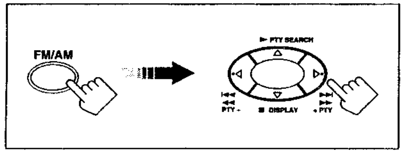
Notes:

- *When pressing DISPLAY on the remote control, make sure that you have selected FM station using the remote control. If not, the DISPLAY button does not work for tuner operation. (Pressing FM/AM activates the remote control for tuner operation.)*
- *If searching finishes at once, "PS", "PTY", and "RT" will not appear on the display.*

Searching for a Program by PTY Codes

One of the advantages of the RDS service is that you can locate a particular kind of program from the preset channels (see page 13) by specifying the PTY codes.

- To stop searching any time during the process, press PTY SEARCH while searching.
- When pressing the buttons on the remote control, make sure that you have selected the FM station using the remote control. If not, the RDS operation buttons do not work for RDS operation. (Pressing FM/AM activates the remote control for RDS operation.)



To search for a program using the PTY codes

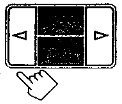
Before you start, remember...

- The PTY Search is only applicable to preset stations only.
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

1. **Press PTY SEARCH while listening to an FM station.**
   "PTY" and " SELECT" alternate on the display.

On the front panel

2. **Press and hold cursor control ◁ / ▷ on the front panel (or PTY SELECT + / – on the remote control) until the PTY code you want appears on the display, while "PTY" and "SELECT" are flashing alternately.**
   The display gives you the PTY codes described to the right.



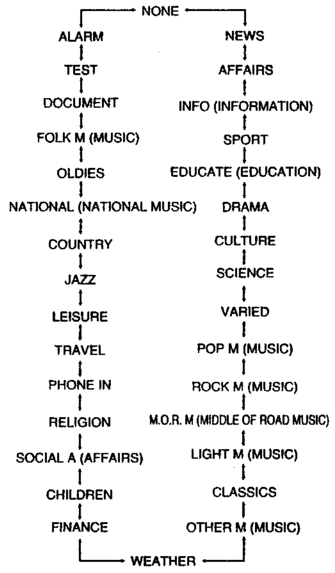
On the front panel

3. **Press PTY SEARCH again, while the PTY code selected in the previous step is still on the display.**
   While searching, "SEARCH" and the selected PTY code alternate on the display. The receiver searches 30 preset FM stations, stops when it finds the one you have selected, and tunes in that station.

On the front panel

To continue searching after the first stop
Press PTY SEARCH again while the indications on the display are flashing.
If no program is found, "NOTFOUND" appears on the display.

PTY codes



When an emergency broadcast (ALARM signal) is sent from an FM station:
The receiver automatically tunes in the station except in the following cases:

- When you are listening to non-RDS stations (all AM — MW/LW and some FM stations).
- When the receiver is in standby mode.

While receiving an emergency broadcast, "ALARM" appears on the display.

The TEST signal is used for equipment test — whether it can receive the ALARM signal correctly.
The TEST signal makes the receiver work in the same way as the ALARM signal does. If the TEST signal is received, the receiver automatically switches to the station broadcasting the TEST signal. While receiving the test signal, "TEST" appears on the display.

Switching to a Broadcast Program of Your Choice Temporarily

Another convenient RDS service is called "EON (Enhanced Other Network)."
The EON indicator lights up while receiving a station with the EON code.
This allows the receiver to switch temporarily to a broadcast program of your choice (NEWS, TA, and/or INFO) from a different station except in the following cases:

- When you are listening to non-RDS stations (all AM — MW/LW and some FM stations).
- When the last received FM station is a non-RDS station.
- When the receiver is in standby mode.

Before you start, remember...

- The EON function is only applicable to preset stations only.

On the front panel ONLY:

1. **Press EON so that the last selected program type appears on the display.**
   The receiver enters EON standby mode. When the receiver is in EON standby mode, the receiver is ready to receive the EON data (TA/NEWS/INFO) you select.

2. **Press TA/NEWS/INFO until the program type you want appears on the display.**
   - Each time you press the button, the display changes to show the following:

TA/NEWS/INFO

→ TA → NEWS/INFO → TA/INFO → TA/NEWS → TA/NEWS/INFO → INFO → NEWS →

TA:	Traffic Announcement in your area.
NEWS:	News.
INFO:	Program the purpose of which is to impart advice in the widest sense.

CASE 1 **If there is no station broadcasting the program you have selected**

The receiver continues playing the current source (all sources except AM– MW/LW).

⇩

When a station starts broadcasting the program you have selected, the receiver automatically switches to the station. The indicator of received PTY code starts flashing.

⇩

When the program is over, the receiver goes back to the previously selected source, but still remains in EON standby mode. The indicator of received PTY code stops flashing and remains lit.

CASE 2 **If there is a station broadcasting the program you have selected**

The receiver changes the source (all sources except AM–MW/LW), and tunes in the station. The indicator of received PTY code starts flashing.

⇩

When the program is over, the receiver goes back to the previously selected source, but still remains in EON standby mode. The indicator of received PTY code stops flashing and remains lit.

CASE 3 **If the FM station you are listening to is broadcasting the program you have selected**

The receiver continues to receive the station, but the indicator of received PTY code starts flashing.

⇩

When the program is over, the indicator of received PTY code stops flashing and remains lit, but the receiver remains in EON standby mode.

To stop listening to the program selected by EON
Press EON so that the program type (TA/NEWS/INFO) indicator goes off from the display. The receiver enters EON off mode and goes back to the previously selected source.

- Each time you press EON, the EON mode alternates between standby mode and off mode.

Notes:

- *EON data sent from some stations may not be compatible with this receiver.*
- *In EON standby mode, if you change the source to AM (MW/LW) or if you carry out synchronized recording (see page 23), EON standby mode is canceled temporarily. The receiver goes back to EON standby mode again when you have finished that operation.*
- *While listening to a program tuned in by the EON function, you can not use the source selecting buttons and PTY SEARCH button.*

CAUTION:

When the source alternates intermittently between the station tuned in by the EON function and the currently selected source, press EON to cancel the EON function.
If you do not press the button, the currently tuned station is received finally, and the indication of the EON program type flashing on the display disappears.

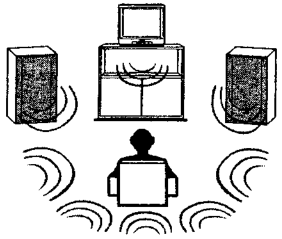
Using the DSP Modes

The built-in Surround Processor provides three types of the DSP (Digital Signal Processor) mode — 3D-PHONIC mode, DAP (Digital Acoustic Processor) mode and Surround mode (Dolby Pro Logic and JVC Theater Surround).

3D-PHONIC modes

The 3D-PHONIC mode gives you such a nearly surround effect as it is reproduced through the Dolby Surround decoder, which is widely used to reproduce sounds with a feeling of movement like those experienced in movie theaters. The 3D-PHONIC mode is the result of research on sound localization technology carried out at JVC for many years. **This mode can be used when two front speakers are connected to this receiver (without respect to the rear/center speaker connection).**
You can select either 3D ACTION or 3D THEATER to your preference.

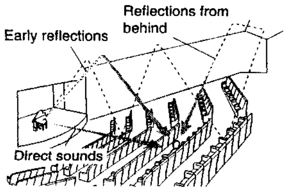
3D ACTION:	Best for action and war movies — where the action is fast and explosive.
3D THEATER:	Reproduces the sound field of a large theater.



DAP modes

The sound heard in a concert hall or club consists of direct sound and indirect sound — early reflections and reflections from behind. Direct sounds reach the listener directly without any reflection. On the other hand, indirect sounds are delayed by the distances of the ceiling and walls. These direct sounds and indirect sounds are the most important elements of the acoustic surround effects. The DAP mode can create these important elements, and gives you a real "being there" feeling. **This mode can be used when the front speakers are connected to this receiver (without respect to the rear/center speaker connection).**
You can select one of the following to your preference.

DANCE CLUB:	Gives a throbbing bass beat.
LIVE CLUB:	Gives the feeling of a live music club with a low ceiling.
HALL:	Gives clear vocal and the feeling of a concert hall.
PAVILION:	Gives the spacious feeling of a pavilion with a high ceiling.



Surround Modes

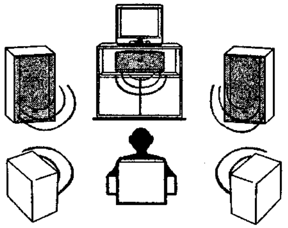
With this receiver, you can use two types of the Surround modes.

- **Dolby Surround**

Dolby Surround has been developed to reproduce the important elements of the acoustic surround at home.
To watch the soundtracks of video software bearing the mark DOLBY SURROUND * which includes the same encoded surround information as found in Dolby Stereo films, the receiver can provide you with Dolby Surround decoder.
There are two types of Dolby Surround – "Pro Logic" and "3 Stereo."
"Pro Logic" can be used when the front speakers and rear speakers are connected to this receiver (regardless of the center speaker connection). On the other hand, "3 Stereo" can be used when the rear speakers are not connected (center speaker must be connected).

- **JVC Theater Surround**

In order to reproduce a more realistic sound field in your listening room while playing soundtracks of video software bearing the mark DOLBY SURROUND, JVC Theater Surround has been designed to give you clearer vocals and to create a real "being there" feeling.
This mode can be used when the front speakers and rear speakers are connected to this receiver (without respect to the center speaker connection).



Notes:
- *The DSP modes have no effect on monaural sources.*
- *The DSP modes cannot be used for recording.*
- *When you select "DVDMULTI" as the source to play, you cannot select or adjust the DSP modes.*

IMPORTANT:

Before recording, turn off the DVD MULTI playback mode.

As for the DVD MULTI playback mode, see page 22.

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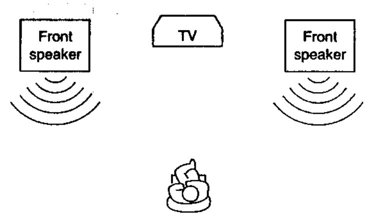
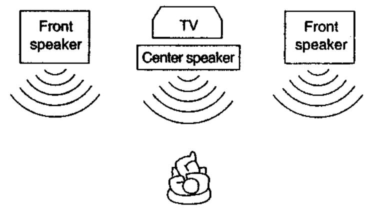
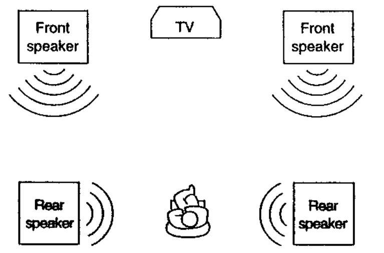
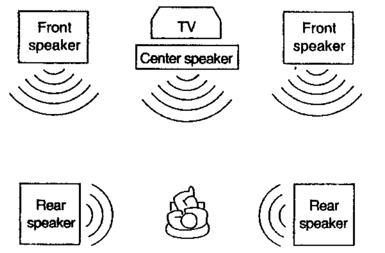
* *Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby," the double-D symbol, and "Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.*

Available DSP Modes According to the Speaker Arrangement

Available DSP modes will vary depending on how many speakers are used with this receiver.
Make sure that you have set the speaker information correctly (see page 11).

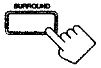
Speaker arrangements	Available DSP modes
	Each time you press SURROUND, the DSP modes change as follows: • 3D THEATER • DANCE C (DANCE CLUB) • LIVE C (LIVE CLUB) • HALL • PAVILION • 3D ACTION • OFF (DSP mode is canceled)
	Each time you press SURROUND, the DSP modes change as follows: • 3 STEREO • 3D THEATER • DANCE C (DANCE CLUB) • LIVE C (LIVE CLUB) • HALL • PAVILION • 3D ACTION • OFF (DSP mode is canceled)
 Front speaker TV Front speaker Rear speaker Rear speaker	Each time you press SURROUND, the DSP modes change as follows: • PRO LOGIC • THEATER • DANCE C (DANCE CLUB) • LIVE C (LIVE CLUB) • HALL • PAVILION • 3D ACTION • OFF (DSP mode is canceled)
 Front speaker TV Center speaker Front speaker Rear speaker Rear speaker	Each time you press SURROUND, the DSP modes change as follows: • PRO LOGIC • THEATER • DANCE C (DANCE CLUB) • LIVE C (LIVE CLUB) • HALL • PAVILION • 3D ACTION • OFF (DSP mode is canceled)

Adjusting the 3D-PHONIC Modes

Before you start, remember...
- **Make sure that you have set the speaker information correctly (see page 11).**
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

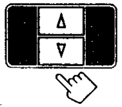
On the front panel:

1. **Press SURROUND repeatedly until "3DACTION" or "3DTHEATR" appears on the display.**
   The 3D-PHONIC and PRO LOGIC indicators also light up on the display.

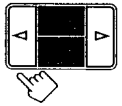


2. **Press ADJUST so that the cursor control △ / ▽ / ◁ / ▷ buttons work for adjusting the surround setting.**

3. **Press cursor control △ / ▽ repeatedly until "–EFFECT+" appears on the display.**



4. **Press cursor control ◁ / ▷ to select an effect level you want.**
   - Each time you press the button, the effect level changes as follows:

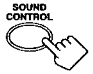


EFFECT 1 ↔ EFFECT 2 ↔ EFFECT 3
→ EFFECT 5 ←— EFFECT 4 ←

As the number increases, the selected 3D-PHONIC mode becomes stronger.

From the remote control:

1. **Press SOUND CONTROL.**
   The 10 keys are activated for sound adjustments.



2. **Press SURROUND repeatedly until "3DACTION" or "3DTHEATR," appears on the display.**
   The 3D-PHONIC and PRO LOGIC indicators also light up on the display.

3. **Press EFFECT to select an effect level you want.**
   - Each time you press the button, the effect level changes as follows:

EFFECT 1 ↔ EFFECT 2 ↔ EFFECT 3
→ EFFECT 5 ←— EFFECT 4 ←

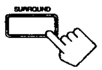
As the number increases, the selected 3D-PHONIC mode becomes stronger.

Adjusting the DAP Modes

Before you start, remember...
- **Make sure that you have set the speaker information correctly (see page 11).**
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You can only adjust the rear speaker output level when you have connected the rear speakers and have set "REAR SPK" to "YES." See page 11.

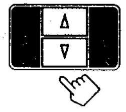
On the front panel:

1. **Press SURROUND repeatedly until the DAP mode — DANCE CLUB, LIVE CLUB, HALL, or PAVILION — appears on the display.**
   The DAP indicator also lights up on the display.

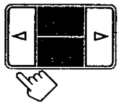


2. **Press ADJUST so that the cursor control △ / ▽ / ◁ / ▷ buttons work for adjusting the DSP setting.**

3. **Press cursor control △ / ▽ repeatedly until "– REAR +" appears on the display.**

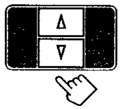


4. **Press cursor control ◁ / ▷ to adjust the rear speaker output level (from –10 to +10).**

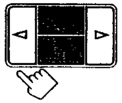


Note:
You cannot adjust the left and right rear speaker output levels separately.

5. **Press cursor control △ / ▽ repeatedly until "–EFFECT+" appears on the display.**



6. **Press cursor control ◁ / ▷ to select an effect level you want.**
   - Each time you press the button, the effect level changes as follows:

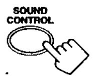


EFFECT 1 ↔ EFFECT 2 ↔ EFFECT 3
→ EFFECT 5 ←— EFFECT 4 ←

As the number increases, the selected DAP mode becomes stronger.

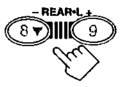
From the remote control:

1. **Press SOUND CONTROL.**
   The 10 keys are activated for sound adjustments.



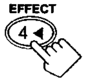
2. **Press SURROUND repeatedly until the DAP mode — DANCE CLUB, LIVE CLUB, HALL, or PAVILION — appears on the display.**
   The DAP indicator also lights up on the display.

3. **Press REAR•L – / + to adjust the rear speaker output level.**
   - Pressing REAR•L – decreases the output level up to –10 dB.
   - Pressing REAR•L + increases the output level up to +10 dB.



Note:
You cannot adjust the left and right rear speaker output levels separately.

4. **Press EFFECT to select an effect level you want.**
   - Each time you press the button, the effect level changes as follows:



EFFECT 1 ↔ EFFECT 2 ↔ EFFECT 3
→ EFFECT 5 ←— EFFECT 4 ←

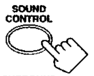
As the number increases, the selected DAP mode becomes stronger.

Adjusting the Surround Modes — Dolby Surround and JVC Theater Surround

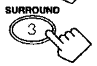
Before you start, remember...
- **Make sure that you have set the speaker information correctly (see page 11).**
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You can only adjust the effect level when selecting JVC Theater Surround.
- You can only adjust the rear and/or center speaker output levels when you have connected rear speakers and/or a center speaker and have set "REAR SPK" and/or "CNTR SPK" correctly. See page 11.

From the remote control:

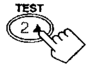
1. **Press SOUND CONTROL.**
   The 10 keys are activated for sound adjustments.



2. **Press SURROUND repeatedly until the mode — "PROLOGIC," "3 STEREO," or "THEATER" — appears on the display.**
   - For "PROLOGIC" and "3 STEREO," the PRO LOGIC indicator lights up on the display.
   - For "THEATER," the PRO LOGIC and DAP indicators light up on the display.



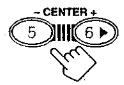
3. **Press TEST to check the speaker output balance.**
   "TEST" starts flashing on the display, and a test tone comes out of the speakers in the following order:



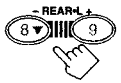
→ Left front speaker —→ Center speaker
Rear speaker ←— Right front speaker ←

Note:
You can adjust the speaker output levels without outputting the test tone.

4. **Press CENTER – / + repeatedly to adjust the center speaker output level (from –10 to +10).**

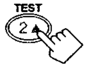


5. **Press REAR•L – / + to adjust the rear speaker output level (from –10 to +10).**



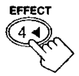
Notes:
- *You cannot adjust the left and right rear speaker output levels separately.*
- *You cannot use the REAR•R – / + buttons to adjust the rear speaker output level.*

6. **Press TEST again to stop the test tone.**



7. **ONLY FOR "THEATER":**

   Press EFFECT to select an effect level you want.
   - Each time you press the button, the effect level changes as follows:



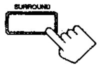
EFFECT 1 ↔ EFFECT 2 ↔ EFFECT 3
→ EFFECT 5 ←— EFFECT 4 ←

As the number increases, JVC Theater Surround becomes stronger.

On the front panel:

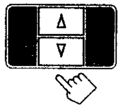
You can also use the buttons on the front panel to adjust the Surround modes. However, no test tone is available when using the buttons on the front panel. So, make adjustments while listening to the sound of the source played back.

1. **Press SURROUND repeatedly until the mode — "PROLOGIC," "3 STEREO," or "THEATER"— appears on the display.**
   The PRO LOGIC indicator also lights up on the display.

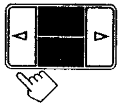


2. **Press ADJUST so that the cursor control △ / ▽ / ◁ / ▷ buttons work for adjusting the DSP setting.**

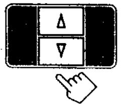
3. **Press cursor control △ / ▽ repeatedly until "–CENTER+ " appears on the display.**



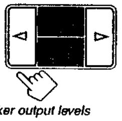
4. **Press cursor control ◁ / ▷ to adjust the center speaker output level (from –10 to +10).**



5. **Press cursor control △ / ▽ repeatedly until "– REAR +" appears on the display.**



6. **Press cursor control ◁ / ▷ to adjust the rear speaker output level (from –10 to +10).**

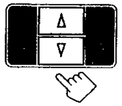


Note:

You cannot adjust the left and right rear speaker output levels separately.

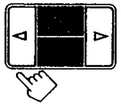
7. **ONLY FOR "THEATER":**

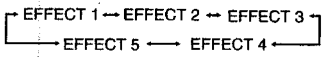
   Press cursor control △ / ▽ repeatedly until "–EFFECT+" appears on the display.



8. **ONLY FOR "THEATER":**

   Press cursor control ◁ / ▷ to select an effect level you want.
   - Each time you press the button, the effect level changes as follows:





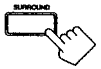
As the number increases, JVC Theater Surround becomes stronger.

Activating the DSP Modes

Once you have finished adjustments for the DSP modes, you can use the same adjustments every time you want to use these modes.

On the front panel:

1. **Press SURROUND repeatedly until the DSP mode you want appears on the display.**
   - Each time you press the button, the DSP modes change. (See page 18 for more details.)



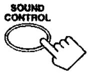
2. **Select and play a sound source.**
   - To enjoy the 3D-PHONIC, Dolby Surround, and JVC Theater Surround, play back a software which was processed with Dolby Surround and is labeled with DOLBY SURROUND mark.

To cancel the DSP mode

Press SURROUND repeatedly until "OFF" appears on the display.

From the remote control:

1. **Press SOUND CONTROL.**
   The 10 keys are activated for sound adjustments.



2. **Press SURROUND repeatedly until the DSP mode you want appears on the display.**
   - Each time you press the button, the DSP modes change. (See page 18 for more details.)

3. **Select and play a sound source.**
   - To enjoy the 3D-PHONIC, Dolby Surround, and JVC Theater Surround, play back a software which was processed with Dolby Surround and is labeled with DOLBY SURROUND mark.

To cancel the DSP mode

Press SURROUND repeatedly until "OFF" appears on the display in step 2 above.

Using the DVD MULTI Playback Mode

This receiver provides the DVD MULTI playback mode for reproducing the analog discrete output mode of the DVD player. Before playing back a DVD, refer also to the manual supplied with the DVD player.

Activating the DVD MULTI Playback Mode

You can adjust the DVD MULTI playback mode while playing back a DVD using the analog discrete output mode on the DVD player. Once you made adjustments, the receiver memorizes the adjustments until you change them.

Before you start, remember...
- **Make sure that you have set the speaker information correctly (see page 11).**
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- You can only adjust the rear and/or center speaker output levels when you have connected rear speakers and/or a center speaker and have set "REAR SPK" and/or "CNTR SPK" correctly. See page 11.

On the front panel:

1. **Press DVD MULTI so that "DVDMULTI" appears on the display.**

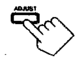
Note:

When you select "DVDMULTI" as the source to play, the DSP mode is canceled temporarily, and the SURROUND button does not work.

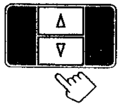
2. **Select the analog discrete output mode on the DVD player, and start playing a DVD.**
   - Refer to the manual supplied with the DVD player.

If you need to make any adjustment, go to the following steps.

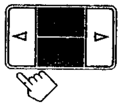
3. **Press ADJUST so that the cursor control △ / ▽ / ◁ / ▷ buttons work for adjusting the DVD MULTI playback setting.**



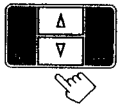
4. **Press cursor control △ / ▽ repeatedly until "–CENTER+" appears on the display.**



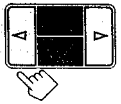
5. **Press cursor control ◁ / ▷ to adjust the center speaker output level (from –10 to +10).**



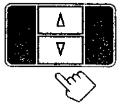
6. **Press cursor control △ / ▽ repeatedly until "–REAR L+" appears on the display.**



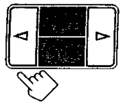
7. **Press cursor control ◁ / ▷ to adjust the left rear speaker output level (from –10 to +10).**



8. **Press cursor control △ / ▽ repeatedly until "–REAR R+" appears on the display.**

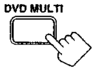


9. **Press cursor control ◁ / ▷ to adjust the right rear speaker output level (from –10 to +10).**



From the remote control:

1. **Press DVD MULTI so that "DVDMULTI" appears on the display.**



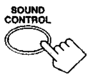
Note:

When you select "DVDMULTI" as the source to play, the DSP mode is canceled temporarily, and the SURROUND button does not work.

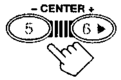
2. **Select the analog discrete output mode on the DVD player, and start playing a DVD.**
   - Refer to the manual supplied with the DVD player.

If you need to make any adjustment, go to the following steps.

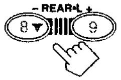
3. **Press SOUND CONTROL.**
   The 10 keys are activated for adjusting the sound.



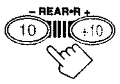
4. **Press CENTER – / + to adjust the center speaker output level.**
   - Pressing CENTER – decreases the output level up to –10 dB.
   - Pressing CENTER + increases the output level up to +10 dB.



5. **Press REAR•L – / + to adjust the left rear speaker output level.**
   - Pressing REAR•L – decreases the output level up to –10 dB.
   - Pressing REAR•L + increases the output level up to +10 dB.



6. **Press REAR•R – / + to adjust the right rear speaker output level.**
   - Pressing REAR•R – decreases the output level up to –10 dB.
   - Pressing REAR•R + increases the output level up to +10 dB.

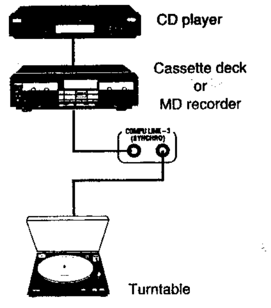


COMPU LINK Remote Control System

The COMPU LINK remote control system allows you to operate JVC audio components through the remote sensor on the receiver.

To use this remote control system, you need to connect JVC audio components through the COMPU LINK-3 (SYNCHRO) jacks (see below) in addition to the connections using cables with RCA pin plugs (see page 5).

- Make sure that the AC power cords of these components are unplugged before connection. Plug the AC power cords only after all connections are complete.



To connect the components, use the cables with monaural mini plug.

Notes:

- *If your audio component has two COMPU LINK-3 (SYNCHRO) jacks, you can use either one. If it has only one COMPU LINK-3 (SYNCHRO) jack, connect it so that it is the last item in the series of components. (For example, the turntable or CD player in the diagram above.)*
- *To operate the cassette deck or MD recorder using the COMPU LINK remote control system, set the source name correctly. (See page 11.)*
- *Refer also to the manuals supplied with your audio components.*

This remote control system allows you to use four functions listed below.

Remote Control through the Remote Sensor on the Receiver

You can control the connected audio components through the remote sensor on the receiver using this remote control. Aim the remote control directly at the remote sensor on the receiver. For details, see pages 24 and 25.

Automatic Source Selection

When you press the play (►) button on a connected component or on its own remote control, the receiver automatically turns on and changes the source to the component. On the other hand, if you select a new source on the receiver or the remote control, the selected component begins playing immediately.
In both cases, the previously selected source continues playing without sound for a few seconds.

Automatic Power On/Off (Standby): only possible with the COMPU LINK-3 connection

Both the CD player and cassette deck (or MD recorder) turn on and off (standby) along with the receiver.
When you turn on the receiver, the CD player or cassette deck (or MD recorder) will turn on automatically, depending on which component has been previously selected.
When you turn off the receiver, both the CD player and cassette deck (or MD recorder) will turn off (standby).

Synchronized Recording

Synchronized recording means the cassette deck (or MD recorder) starts recording as soon as a CD or a record begins playing.

To use synchronized recording, follow these steps:

1. **Put a tape in the cassette deck (or an MD in the MD recorder), and a disc in the CD player (or a record on the turntable).**
2. **Press the record (●) button and the pause (II) button on the cassette deck (or MD recorder) at the same time.**
   This puts the cassette deck (or MD recorder) into recording pause.
   If you do not press the record (●) button and pause (II) button at the same time, the synchronized recording feature will not operate.
3. **Press the play (►) button on the CD player or on the turntable.**
   The source changes on the receiver, and as soon as play starts, the cassette deck (or MD recorder) starts recording. When the play ends, the cassette deck (or MD recorder) enters recording pause, and stops about 4 seconds later.

Notes:

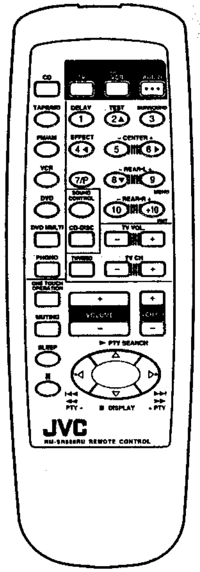
- *During synchronized recording, the selected source cannot be changed.*
- *If the power of any component is shut off during synchronized recording, the COMPU LINK remote control system may not operate properly. In this case, you must start again from the beginning.*

Operating Other Components

You can operate JVC's audio and video components with this receiver's remote control, since control signals for JVC components are preset in the remote control.

IMPORTANT:

To operate JVC's audio components using this remote control:
- You need to connect JVC audio components through the COMPU LINK-3 (SYNCHRO) jacks (see page 23) in addition to the connections using cables with RCA pin plugs (see page 5).
- Aim the remote control directly at the remote sensor on the receiver.
- If you use the buttons on the front panel to choose a source, the remote control will not operate that source. To operate a source with the remote control, the source must be selected using buttons on the remote control.
- Refer also to the manuals supplied with your components.



Tuner

After pressing FM/AM, you can perform the following operations:

FM/AM:	Alternates between FM and AM (MW/LW).
1 – 10, +10:	Selects a preset channel number directly. For channel number 5, press 5. For channel number 15, press +10, then 5. For channel number 20, press +10, then 10.
PTY SEARCH:	Searches for a program by PTY codes.
PTY – / +:	Selects the PTY codes.
DISPLAY:	Shows the RDS signals.

Sound control section (Amplifier)

After pressing SOUND CONTROL, you can perform the following operations:

SURROUND:	Selects the DSP modes.
CENTER – / +:	Adjusts the center speaker output level for the Surround/DVD MULTI playback modes.
REAR•L – / +:	Adjusts the left/right rear speaker output level for the DSP modes. Adjusts the left rear speaker output level for the DVD MULTI playback mode.
REAR•R – / +:	Adjusts the right rear speaker output level for the DVD MULTI playback mode.
DELAY:	Selects the delay time of the rear speaker sound. (Only works when "PROLOGIC" is selected.)
EFFECT:	Selects the effect level for the DSP modes.
TEST:	Turns on or off the test tone output for the Surround mode.

Note:

After adjusting sounds, press the corresponding source selecting button or CD-DISC to operate your target source by using the 10 keys; otherwise, the 10 keys cannot be used for operating your target source.

CD player

After pressing CD, you can perform the following operations on the CD player:

►:	Starts playing.
⏮:	Returns to the beginning of the current (or previous) track.
⏭:	Skips to the beginning of the next track.
■:	Stops playing.
II:	Pauses playing. To release it, press ►.
1 – 10, +10:	Selects a track number directly. For track number 5, press 5. For track number 15, press +10, then 5. For track number 20, press +10, then 10.

CD player-changer

After pressing CD-DISC, you can perform the following operations on a CD player-changer:

►:	Starts playing.
⏮:	Returns to the beginning of the current (or previous) track.
⏭:	Skips to the beginning of the next track.
■:	Stops playing.
II:	Pauses playing. To release it, press ►.
1 – 6, 7/P:	Selects the number of a disc installed in a CD player-changer.

After pressing CD, you can perform the following operations on the CD player-changer:

1 – 10, +10:	Selects a track number directly. For track number 5, press 5. For track number 15, press +10, then 5. For track number 20, press +10, then 10. For track number 30, press +10, +10, then 10.

Cassette deck

After pressing TAPE/MD, you can perform the following operations on a cassette deck:

►: Starts playing.
◄◄: Fast winds the tape from right to left.
►►: Fast winds the tape from left to right.
■: Stops operations.
II: Pauses playing. To release it, press ►.

Note:

To operate the cassette deck or MD recorder using the COMPU LINK remote control system, set the source name correctly. (See page 11.)

MD recorder

After pressing TAPE/MD, you can perform the following operations on the MD recorder:

►: Starts playing.
I◄◄: Returns to the beginning of the current (or previous) track.
►►I: Skips to the beginning of the next track.
■: Stops playing.
II: Pauses playing. To release it, press ►.

Note:

To operate the cassette deck or MD recorder using the COMPU LINK remote control system, set the source name correctly. (See page 11.)

IMPORTANT:

To operate JVC's video components using this remote control:
- Aim the remote control directly at the remote sensor on the VCR, DVD player or TV, not on the receiver.
- Some JVC VCRs can accept two types of the control signals — remote code "A" and "B." Before using this remote control, make sure that the remote control code of the VCR connected to the VCR jacks is set to code "A."

VCR

You can always perform the following operations :

VCR ⏻/I : Turns on or off the VCR.
VCR CH +/–: Changes the channels on the VCR.

After pressing VCR, you can perform the following operations on the VCR:

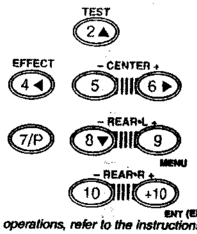
►: Starts playing.
◄◄: Rewinds a tape.
►►: Fast winds a tape.
■: Stops operations.
II: Pauses playing. To release it, press ►.

DVD player

After pressing DVD or DVD MULTI, you can perform the following operations on a DVD player:

►: Starts playing.
I◄◄: Returns to the beginning of the current (or previous) track.
►►I: Skips to the beginning of the next track.
■: Stops playing.
II: Stops playing temporarily. To release it, press ►.

After pressing DVD or DVD MULTI, these buttons can be used for the DVD menu operations.



Note:

For detailed menu operations, refer to the instructions supplied with the discs or the DVD player.

TV

You can always perform the following operations:

TV ⏻/I : Turns on or off the TV.
TV VOL. –/+: Adjusts the volume.
TV/VIDEO: Sets the input mode (either TV or VIDEO).
TV CH –/+: Changes the channels.

Troubleshooting

Use this chart to help you solve daily operational problems. If there is any problem you cannot solve, contact your JVC service center.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The display does not light up.	The power cord is not plugged in.	Plug the power cord into an AC outlet.
No sound from speakers.	Speaker signal cables are not connected.	Check speaker wiring and reconnect if necessary.
	The SPEAKERS 1 and 2 buttons are not set correctly.	Press SPEAKERS 1 and 2 correctly.
	An incorrect source is selected.	Select the correct source.
	Muting is activated.	Press MUTING to cancel the mute.
Sound from one speaker only.	Speaker signal cables are not connected properly.	Check speaker wiring and reconnect if necessary.
	The balance is set to one extreme.	Adjust the balance properly (see page 10).
Continuous hiss or buzzing during FM reception.	Incoming signal is too weak.	Connect an outside FM antenna or contact your dealer.
	The station is too far away.	Select a new station.
	An incorrect antenna is used.	Check with your dealer to be sure you have the correct antenna.
	Antennas are not connected properly.	Check connections.
Occasional cracking noise during FM reception.	Ignition noise from automobiles.	Move the antenna farther from automobile traffic.
Howling during record playing.	Your turntable is too close to speakers.	Move speakers away from the turntable.
"OVERLOAD" starts flashing on the display,	Speakers are overloaded because of high volume.	Rotate the MASTER VOLUME control counterclockwise three of four times, then press STANDBY/ON ⏻/I on the front panel. If "OVERLOAD" does not disappear, unplug the AC power cord, then plug it back again.
	Speakers are overloaded because of short circuit of speaker terminals.	Press STANDBY/ON ⏻/I on the front panel, then check the speaker wiring. If "OVERLOAD" does not disappear, unplug the AC power cord, then plug it back again. If speaker wiring is not short-circuited, contact your dealer.
Remote control does not work.	There is an obstruction in front of the remote sensor on the receiver.	Remove the obstruction.
	Batteries are weak.	Replace batteries.

Specifications

Amplifier

Output Power

At Stereo operation: 55 watts per channel, min. RMS, both channels driven into 4 ohms at 1kHz, with no more than 0.9 % total harmonic distortion. (IEC268-3/DIN)

At Surround operation:

Front Channel: 50 watts per channel, min. RMS, driven into 4 ohms at 1 kHz, with no more than 0.8 % total harmonic distortion.

Center channel: 50 watts, min. RMS, driven into 4 ohms at 1 kHz, with no more than 0.8 % total harmonic distortion.

Rear channel: 50 watts per channel, min. RMS, driven into 4 ohms at 1 kHz, with no more than 0.8 % total harmonic distortion.

Total Harmonic Distortion (4 ohms, 1 kHz):
0.8 %* at 55 watts output
(* Measured by JVC Audio Analysis System)

Audio Input Sensitivity/Impedance (1 kHz):
PHONO (MM): 1.5 mV/47 k ohms
CD, TAPE/MD, VCR, DVD:
120 mV/47 k ohms

Audio Output Level: TAPE/MD, VCR 120 mV

Signal-to-Noise Ratio ('66 IHF/DIN):
PHONO: 70 dB/66 dB
CD, TAPE/MD, VCR, DVD:
87 dB/67 dB

Frequency Response (8 ohms):
PHONO: 20 Hz to 20 kHz (±1 dB)
CD, TAPE/MD, VCR, DVD:
20 Hz to 20 kHz (±1 dB)

RIAA Phono Equalization: ±1.0 dB (20 Hz to 20 kHz)

FM tuner (IHF)

Tuning Range: 87.50 MHz to 108.00MHz

Usable Sensitivity: Monaural: 17.0 dBf (1.95 µV/75 ohms)

50 dB Quieting Sensitivity:
Monaural: 21.3 dBf (3.2 µV/75 ohms)
Stereo: 41.3 dBf (31.5 µV/75 ohms)

Signal-to-Noise Ratio (IHF-A weighted):
Monaural: 78 dB at 85 dBf
Stereo: 73 dB at 85 dBf

Total Harmonic Distortion:
Monaural: 0.4 % at 1 kHz
Stereo: 0.6 % at 1 kHz

Stereo Separation at REC OUT: 35 dB at 1 kHz

Alternate Channel Selectivity:
60 dB: (±400 kHz)

Frequency Response: 30 Hz to 15 kHz: (+0.5 dB, –3 dB)

AM (MW/LW) tuner

Tuning Range: MW: 522 kHz to 1,629 kHz
LW: 144 kHz to 288 kHz

Usable Sensitivity: Loop antenna 400 µV/m (MW)

Signal-to-Noise Ratio: 50 dB (100 mV/m)

General

Power Requirements: AC 230V∿, 50 Hz

Power Consumption: 170 watts (at operation)
2 watts (in standby mode)

Dimensions (W x H x D): 435 x 146 x 403.5 mm
(17 $^{3}/_{16}$ x 5 $^{3}/_{4}$ x 15 $^{15}/_{16}$ inches)

Mass: 8.9 kg (19.7 lbs)

Designs & specifications are subject to change without notice.

Description of Major ICs

■ MN173222BA(IC401) : System Controller

1.Key Matrix

	KEY OUT 0	KEY OUT1	KEY OUT 2	KEY OUT 3	KEY OUT 4	KEY OUT 5
KEY IN 0	POWER	SURROUND	DVD MULTI	◄	CD	EON
KEY IN 1	ADJUST	ONE TOUCH OPERATION	DVD	►	PHONE	TA/NEWS INFO
KEY IN 2	SETTING	INPUT ATT	VCR	▲	TAPE/MD	PTY SEARCH
KEY IN 3	MEMORY	———	FM	▼	AM	DISPLAY MODE

2.Pin Function (1/2)

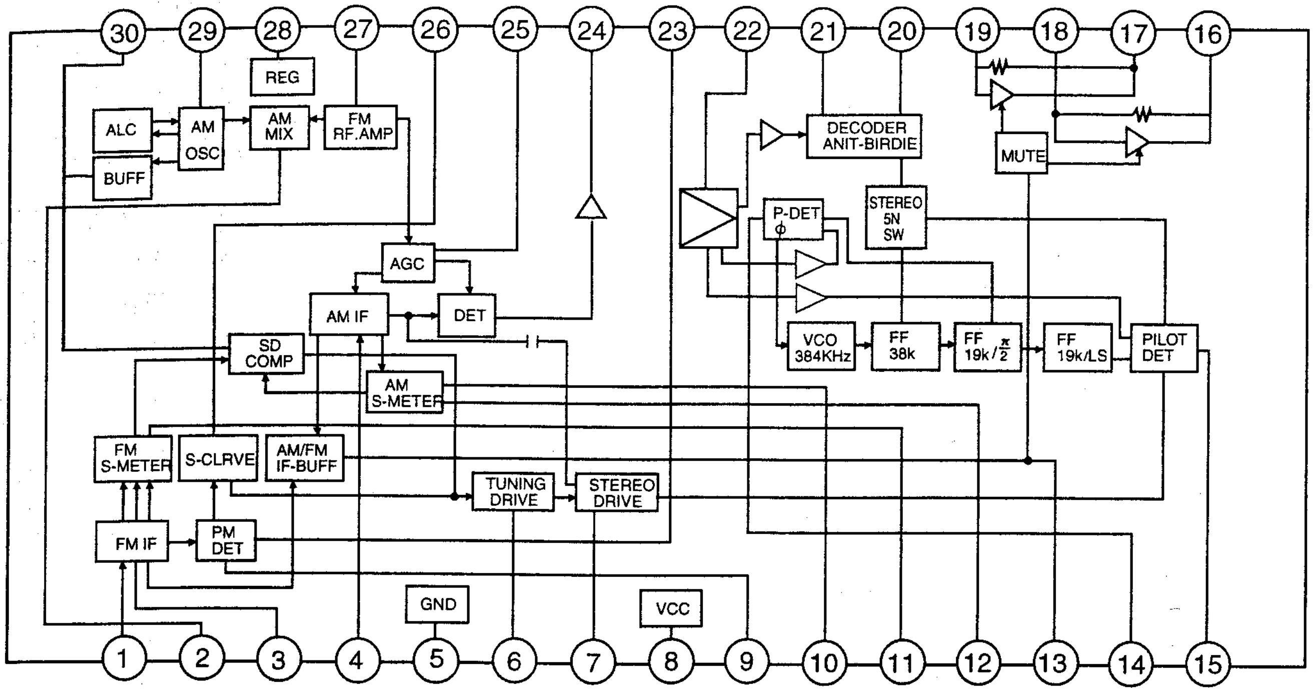
Pin No.	Symbol	I/O	Function
1,2	IN1,2	I	Volume jog signal input
3,4	VIDEO1,2	O	Video signal switch output
5	PROTECT	I	Protect signal input of speaker
6	POWER	O	Power ON output
7~10	KI0~3	I	Key matrix signal input
11	VCR /S/C	-	Not used
12~21	G11~G2	O	FL grid signal output
22	G1/KO7	O	FL grid signal output / Key matrix signal output
23	VPP	-	Power supply
24~39	S1~16	O	FL segment control signal output
40	B.BOOST LED	O	Bass boost indicator control
41	CLK.D	O	Clock signal output to DSP
42	DATAIN.D	I	Data signal input from DSP
43	DATAOUT.D	O	Data signal output to DSP
44	INH	I	Inhibit detection signal input
45	RDS CLK	I	Clock signal input from RDS
46	RDS DATA	I	Data input from RDS
47	SW DATA	O	Function switch data signal output
48	REMOCON IN	I	Remote control signal input
49	RDS D.ST	I	Data start signal for block data to output serial data
50	STEREO	I	Stereo indicator output. Stereo "L" Mono "H"
51	TUNED	I	When the set is tuning, this terminal becomes "L"
52	CE.PLL	O	Chip enable output to IC121
53	CK.PLL	I/O	Clock signal for IC121
54	SW.CLK	O	Function switch clock signal output
55	DO.PLL	I/O	Tuner PLL data
56	DCS IN	I	Compulink signal input
57	DCS OUT	O	Compulink signal output
58	ERR.DSP	I	DSP control data input
59	IFOK.DSP	I	DSP control data input
60	ACK.DSP	I	DSP control data input
61	CD.DSP	O	DSP control data output
62	RELAY Sch	O	Rear ch relay control signal output
63	T.MUTE	O	TUNER mute signal outut
64	TV COUNT	O	Subwoofer mute signal output

2.Pin Function (2/2)

Pin No.	Symbol	I/O	Function
65	TV OUT	-	Not used
66	VCR OUT	-	Not used
67	VCR IN	-	Not used
68	RESET IN	I	Reset signal input
69	X1	-	Connect to GND
70	X2	-	Non connect
71	VSS	-	Connect to GND
72	OSC2	-	Oscillation terminal
73	OSC1	-	Oscillation terminal
74	VDD	-	Power supply
75	RELAY Cch	O	Center ch relay control signal output
76	RELAY L/R	O	Front ch relay control signal output
77	SURROUND	O	Surround ON/OFF control
78	INPUT ATT LED	O	INPUT ATT. Indicator control
79	ONE T. LED	O	ONE TOUCH OPERATION indicator control
80	STANDBY LED	O	STANDBY indicator control
81	STB-SW	O	Strobe signal output of function seitch
82	VOLUME DATA	O	Data output to IC341
83	VOLUME CLK	O	Clock signal output to IC341
84	VOLUMESTB	O	Strobe signal output to IC341

■ LA1838(IC102): FM AM IF AMP&detector, FM MPX Decorder

1. Block Diagram

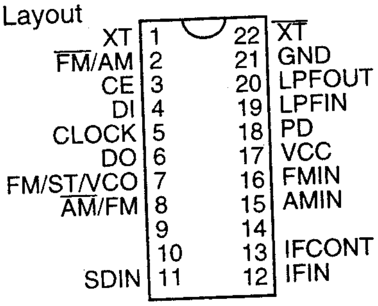

30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
REG
ALC
AM OSC
AM MIX
FM RF.AMP
BUFF
AGC
AM IF
DET
SD COMP
AM S-METER
FM S-METER
S-CLRVE
AM/FM IF-BUFF
TUNING DRIVE
STEREO DRIVE
FM IF
PM DET
GND
VCC
DECODER ANIT-BIRDIE
MUTE
P-DET φ
STEREO 5N SW
VCO 384KHz
FF 38k
FF 19k/π/2
FF 19k/LS
PILOT DET
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

2. Pin Function

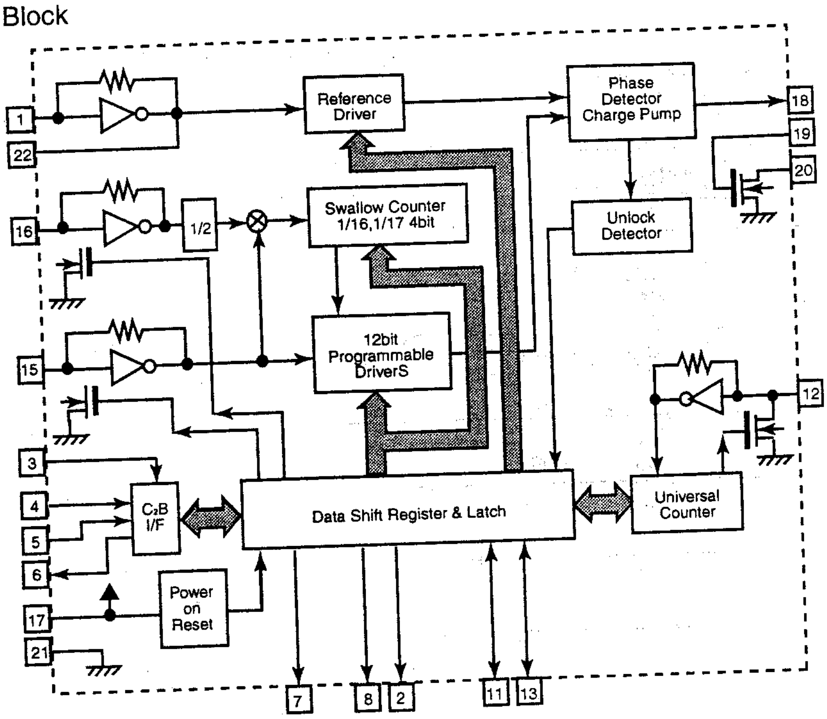
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	FM IN	I	This is an input terminal of FM IF signal.	16	L OUT	O	Left channel signal output.
2	AM MIX	O	This is an out put terminal for AM mixer.	17	R OUT	O	Right channel signal output.
3	FM IF	I	Bypass of FM IF	18	L IN	I	Input terminal of the Left channel post AMP.
4	AM IF	I	Input of AM IF Signal.	19	R IN	I	Input terminal of the Right channel post AMP.
5	GND	–	This is the device ground terminal.	20	RO	O	Mpx Right channel signal output.
6	TUNED	O	When the set is tunning,this terminal becomes "L".	21	LO	O	Mpx Left channel signal output.
7	STEREO	O	Stereo indicator output. Stereo "L", Mono: "H"	22	IF IN	I	Mpx input terminal
8	VCC	–	This is the power supply terminal.	23	FM OUT	O	FM detection output.
9	FM DET	–	FM detect transformer.	24	AM DET	O	AM detection output.
10	AM SD	–	This is a terminal of AM ceramic filter.	25	AM AGC	I	This is an AGC voltage input terminal for AM
11	FM VSM	O	Adjust FM SD sensitivity.	26	AFC	–	This is an output terminal of voltage for FM-AFC.
12	AM VSM	O	Adjust AM SD sensitivity.	27	AM RF	I	AM RF signal input.
13	MUTE	I/O	When the signal of IF REQ of IC121(LC72131) appear, the signal of FM/AM IF output. //Muting control input.	28	REG	O	Register value between pin 26 and pin28 desides the frequency width of the input signal.
14	FM/AM	I	Change over the FM/AM input. "H" :FM, "L" : AM	29	AM OSC	–	This is a terminal of AM Local oscillation circuit.
15	MONO/ST	O	Stereo : "H", Mono: "L"	30	OSC BUFFER	O	AM Local oscillation Signal output.

■LC72136N(IC121):PLL Frequency sinsesizer

1. Layout


XT 1
$\overline{\text{FM}}$/AM 2
CE 3
DI 4
CLOCK 5
DO 6
FM/$\overline{\text{ST}}$/VCO 7
$\overline{\text{AM}}$/FM 8
9
10
SDIN 11
22 $\overline{\text{XT}}$
21 GND
20 LPFOUT
19 LPFIN
18 PD
17 VCC
16 FMIN
15 AMIN
14
13 IFCONT
12 IFIN

2. Block

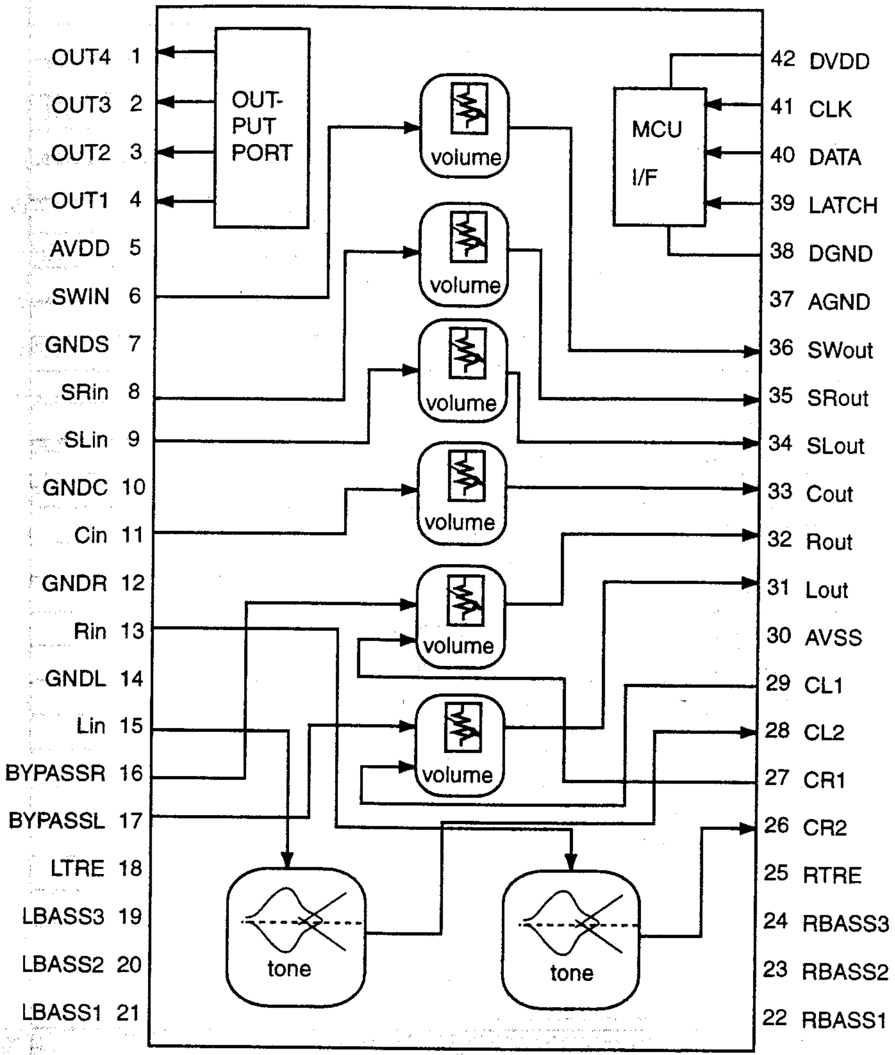

1
22
16
15
3
4
5
6
17
21
Reference Driver
Phase Detector Charge Pump
18
19
20
1/2
Swallow Counter 1/16,1/17 4bit
Unlock Detector
12bit Programmable DriverS
12
C₂B I/F
Data Shift Register & Latch
Universal Counter
Power on Reset
7
8
2
11
13

3. Function

Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	XT	I	X'tal oscillator connect (75kHz)	12	IFIN	I	IF counter signal input
2	$\overline{\text{FM}}$/AM	O	LOW:FM mode	13	IFCONT	O	IF signal output
3	CE	I	When data output/input for 4pin(input) and 6pin(output): H	14		-	Not use
4	DI	I	Input for receive the sirisl data from controller	15	AMIN	I	AM Local OSC signal output
5	CLOCK	I	Sync signal input use	16	FMIN	I	FM Local OSC signal input
6	DO	O	Data output for Controller Output port	17	VCC	-	Power suplly(VDD=4.5-5.5V) When power ON:Reset circuit move
7	FM/ST/VCO	O	"Low": MW mode	18	PD	O	PLL charge pump output(H: Local OSC frequency Height than Reference frequency. L: Low Agreement: Height impedance)
8	$\overline{\text{AM}}$/FM	O	Not use	19	LPFIN	I	Input for active lowpassfilter of PLL
9		-	Not use	20	LPFOUT	O	Output for active lowpassfilter of PLL
10		-	Input/output port	21	GND	-	Connected to GND
11	SDIN	I/O	Data input/output	22	$\overline{\text{XT}}$	I	X'tal oscillator(75KHz)

■ M62446FP(IC341): 6CH MASTER VOLUME

1.Block Diagram

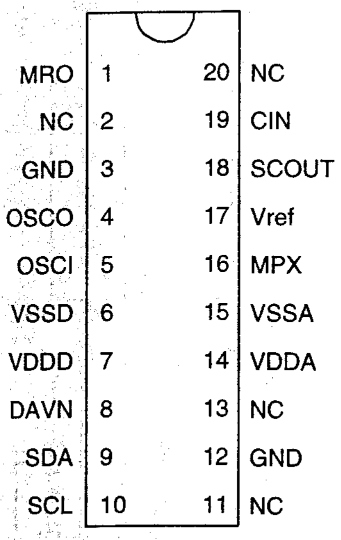

OUT4 1
OUT3 2
OUT2 3
OUT1 4
AVDD 5
SWIN 6
GNDS 7
SRin 8
SLin 9
GNDC 10
Cin 11
GNDR 12
Rin 13
GNDL 14
Lin 15
BYPASSR 16
BYPASSL 17
LTRE 18
LBASS3 19
LBASS2 20
LBASS1 21
42 DVDD
41 CLK
40 DATA
39 LATCH
38 DGND
37 AGND
36 SWout
35 SRout
34 SLout
33 Cout
32 Rout
31 Lout
30 AVSS
29 CL1
28 CL2
27 CR1
26 CR2
25 RTRE
24 RBASS3
23 RBASS2
22 RBASS1
OUT-PUT PORT
MCU I/F
volume
volume
volume
volume
volume
volume
tone
tone

2.Pin Function

Pin No.	Symbol	I/O	Descriptions
1	SURROUND	O	SURROUND control terminal
2	BASS BOOST	O	BASS BOOST control terminal
3	INPUT-ATT	O	Input attenuator control terminal
4	MUTING	O	MUTING control terminal
5	AVDD	-	Analog positive power supply terminal
6	SWIN	I	SUB Woofer volume signal input terminal
7	A.GND	-	Analog ground terminal
8	RR IN	I	R ch volume signal input terminal for rear speaker
9	RL IN	I	L ch volume signal input terminal for rear speaker
10	A.GND	-	Analog ground terminal
11	C IN	I	Center volume signal input terminal
12	A.GND	-	Analog ground terminal
13	R IN	I	R ch volume signal input terminal
14	A.GND	-	Analog ground terminal
15	L IN	I	L ch volume signal input terminal
16,17		-	Non connect
18		-	Frequency adjustment terminal tone/treble
19~21		-	Frequency adjustment terminal tone/bass
22		O	Tone output terminal
23,24		-	Frequency adjustment terminal tone/bass
25		-	Frequency adjustment terminal tone/treble
26		-	Frequency adjustment terminal tone/bass
27		I	L/R volume input terminal
28		O	Tone output terminal
29		I	L/R volume input terminal
30	AVSS	-	Analog negative power supply terminal
31	L OUT	O	L ch output
32	R OUT	O	R ch output
33	C OUT	O	Center volume signal output terminal
34	RL OUT	O	L ch volume signal output terminal for rear speaker
35	RR OUT	O	R ch volume signal output terminal for rear speaker
36	SW OUT	O	SUB Woofer volume signal output terminal
37	A.GND	-	Analog ground terminal
38	D.GND	-	Digital ground terminal
39	VOL STB	I	Latch input terminal
40	VOL DATA	I	Volume data input terminal
41	VOL CLK	I	Clock input terminal for data transfer
42	DVDD	-	Digital power supply terminal

■ SAA6588 (IC191) : RDS Detector (only RX-558RBK)

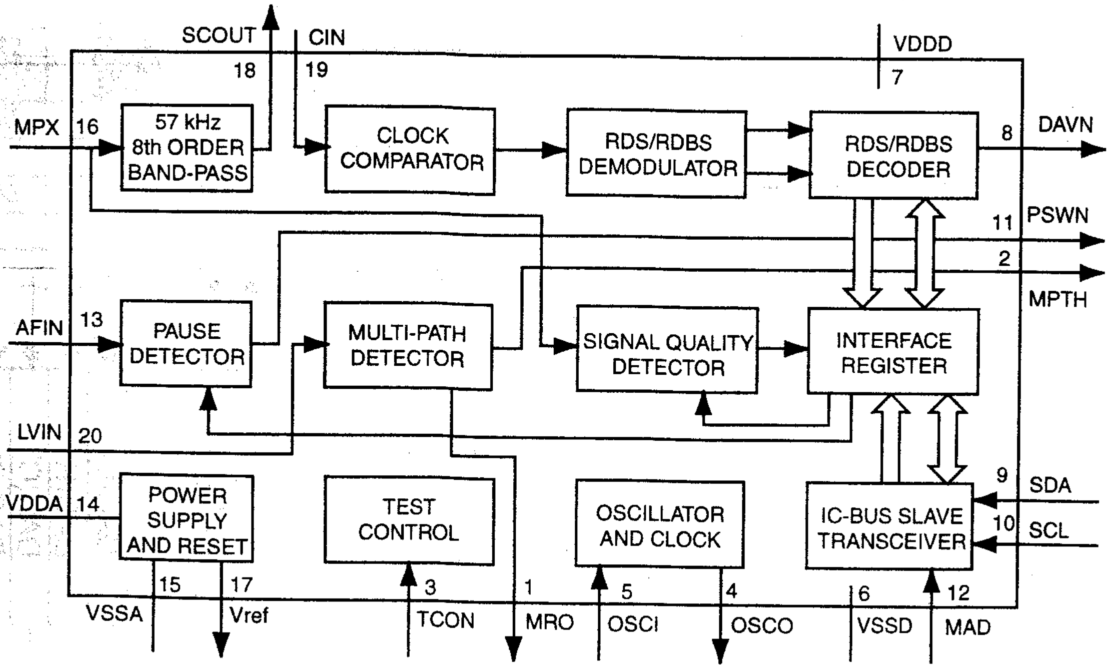
1.Terminal Layout


MRO 1
NC 2
GND 3
OSCO 4
OSCI 5
VSSD 6
VDDD 7
DAVN 8
SDA 9
SCL 10
20 NC
19 CIN
18 SCOUT
17 Vref
16 MPX
15 VSSA
14 VDDA
13 NC
12 GND
11 NC

2.Pin Functiont

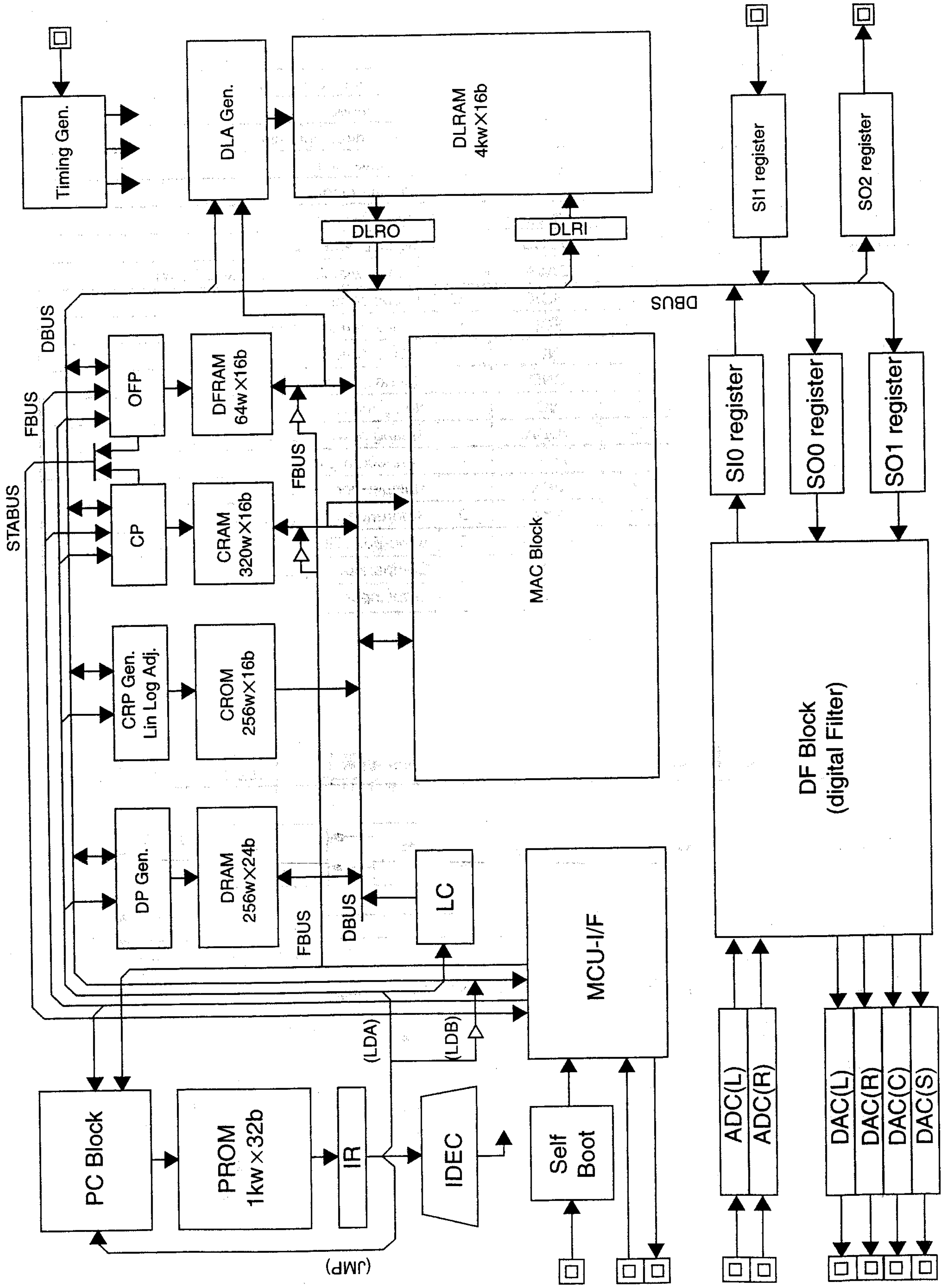
Pin No.	Symbol	I/O	Function
1	MRO	O	Multi-path rectifier output
2	NC	-	Non connect
3	GND	I	Test control input pin
4	OSCO	O	Oscillator output
5	OSCI	I	Oscillator input
6	VSSD	-	Digital ground (0V)
7	VDDD	-	Digital power supply (5V)
8	DAVN	O	Data available output (active LOW)
9	SDA	I/O	IC-bus serial data I/O
10	SCL	I	IC-bus serial clock input
11	NC	-	Non connect
12	GND	-	Connect to ground
13	NC	-	Non connect
14	VDDA	-	Analog power supply (5V)
15	VSSA	-	Connect to ground
16	MPX	I	Multiplex input signal
17	Vref	O	Reference voltage output
18	SCOUT	O	Band-pass filter output
19	CIN	O	Comparator output
20	NC	I	Level input

3.Block Diagram


SCOUT
18
CIN
19
VDDD
7
MPX
16
57 kHz 8th ORDER BAND-PASS
CLOCK COMPARATOR
RDS/RDBS DEMODULATOR
RDS/RDBS DECODER
8
DAVN
11
PSWN
2
MPTH
AFIN
13
PAUSE DETECTOR
MULTI-PATH DETECTOR
SIGNAL QUALITY DETECTOR
INTERFACE REGISTER
LVIN
20
VDDA
14
POWER SUPPLY AND RESET
TEST CONTROL
OSCILLATOR AND CLOCK
IC-BUS SLAVE TRANSCEIVER
9
SDA
10
SCL
15
VSSA
17
Vref
3
TCON
1
MRO
5
OSCI
4
OSCO
6
VSSD
12
MAD

■ TC9471F(IC601) : Dolby Prologic

1.Block Diagram


Timing Gen.
DLA Gen.
DLRAM
4kw×16b
SI1 register
SO2 register
DLRO
DLRI
DBUS
FBUS
STABUS
OFP
DFRAM
64w×16b
CP
CRAM
320w×16b
CRP Gen.
Lin Log Adj.
CROM
256w×16b
DP Gen.
DRAM
256w×24b
MAC Block
LC
MCU-I/F
SI0 register
SO0 register
SO1 register
DF Block
(digital Filter)
ADC(L)
ADC(R)
DAC(L)
DAC(R)
DAC(C)
DAC(S)
PC Block
PROM
1kw×32b
IR
IDEC
Self
Boot
(LDA)
(LDB)
(JMP)

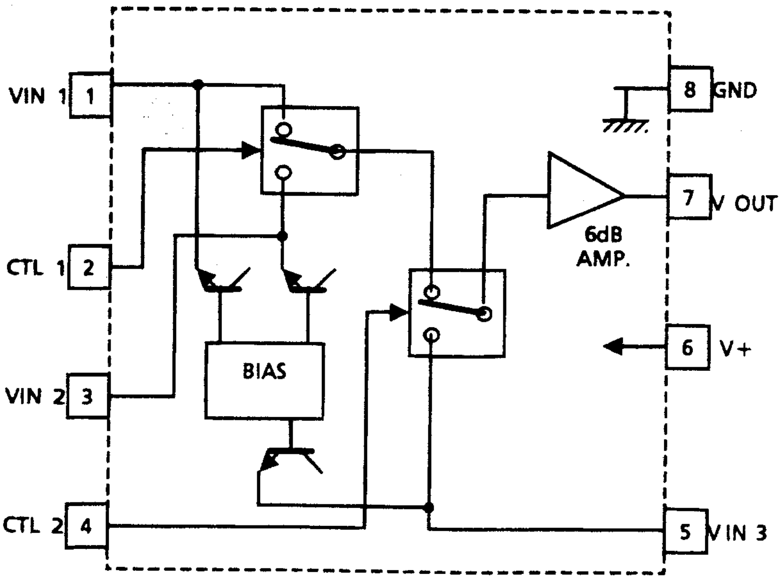
2.Pin Function (1/2)

Pin No.	Symbol	I/O	Function
1	ECKO	-	Non connect
2	ECKI	I	Amplifier input terminal for external clock input.
3	A.GND	-	Ground terminal.(For crystal oscillator circuit)
4	A.GND	-	Ground terminal.(For DAC L channel)
5	LchOUT	O	DAC analog signal output terminal.(L channel)
6	V-REF1	-	Reference voltage terminal.(For DAC L channel)
7	A.5V	-	Power supply terminal.(For DAC L channel)
8	A.5V	-	Power supply terminal.(For DAC R channel)
9	V-REF2	-	Reference voltage terminal.(For DAC R channel)
10	RchOUT	O	DAC analog signal output terminal.(R channel)
11	A.GND	-	Ground terminal.(For DAC R channel)
12	A.GND	-	Ground terminal.(For DAC C channel)
13	N.C	O	DAC analog signal output terminal.(C channel)
14	CchOUT	O	DAC analog signal output terminal with attenuator.(For C channel)
15	V-REF3	-	Reference voltage terminal.(For DAC C channel)
16	A.5V	-	Power supply terminal.(For DAC C channel)
17	VRO	O	Reference voltage terminal for attenuator.(Output buffer)
18	VRI	I	Reference voltage terminal for attenuator.(Input buffer)
19	A.5V	-	Power supply terminal.(For DAC S channel)
20	V-REF4	-	Reference voltage terminal.(For DAC S channel)
21	SchOUT	O	DAC analog signal output terminal with attenuator.(For S channel)
22	NC	-	Non connect.
23	A.GND	-	Ground terminal.(For DAC S channel)
24	D.GND	-	Ground terminal.
25~29	NC	-	Non connect.
30	D.5V	-	Power supply terminal.
31	D.5V	-	Power supply terminal.(For DLRAM)
32	D.GND	-	Ground terminal.(For DLRAM)
33~43	NC	-	Non connect.
44	D.GND	-	Ground terminal.
45.46	NC	-	Non connect.
47	D.5V	-	Power supply terminal.
48~53	NC	-	Non connect.
54		-	Ground terminal.
55		-	Power supply.
56		-	Ground terminal.
57	RESET	I	Power supply.

2.Pin Function (2/2)

Pin No.	Symbol	I/O	Function
58	D.5V	-	Power supply terminal
59~71		-	Non connect.
72	DSP-CS	I	Chip select signal input terminal.(MCU interface)
73	DSP-CLK	I	Data sift clock input terminal.(MCU interface)
74	DATA-IN	I/O	Data input terminal.(MCU interface) At the IC bus mode,data input /output terminal.
75	DATA-OUT	O	Data output terminal.(MCU interface) At the IC bus mode,normally open.
76	DSP-IFOK	O	Operation flag output terminal.(MCU interface)
77	DSP-ACK	O	Acknowledge signal output terminal.(MCU interface)
78	DSP-ERR	O	Error flag output terminal.(MCU interface)
79	I2CS	I	IC bus mode select terminal.
80	BOOT	I	Self-boot control terminal.
81,82			Non connect.
83	D.5V	-	Power supply terminal.
84~87		-	Ground terminal.
88	D.GND	-	Digital ground terminal.(For ADC L channel)
89	A.GND	-	Analog ground terminal.(For ADC L channel)
90	LchIN	I	ADC analog signal input terminal.(L channel)
91	V-REF5	-	Reference voltage terminal.(For ADC L channel)
92,93	A.5V	-	Analog power supply terminal.
94	V-REF6	-	Reference voltage terminal.(For ADC R channel)
95	RchIN	-	ADC analog signal input terminal.(R channel)
96,97	A.GND	-	Analog ground terminal.(For ADC R channel)
98	XI	I	Crystal oscillator connection terminal.(input)
99	XO	O	Crystal oscillator connection terminal.(output)
100	A.5V	-	Power supply terminal.(For crystal oscillator circuit)

■ NJM2246D(IC201):Video Switch

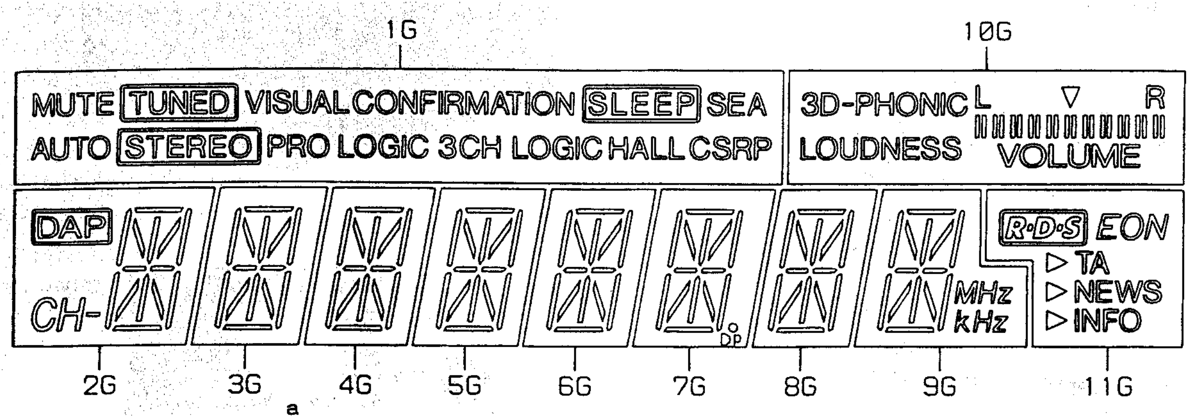


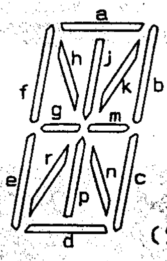
Control Signal - Output Signal

CTL 1	CTL 2	Output
L	L	VIN 1
H	L	VIN 2
L/H	H	VIN 3

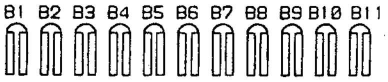
Internal Connections for FL Display Tube

■ QLF0002-001(DI401):FL DISPLAY TUBE


1G
10G
MUTE
TUNED
VISUAL CONFIRMATION
SLEEP
SEA
AUTO
STEREO
PRO LOGIC
3CH LOGIC
HALL
CSRP
3D-PHONIC
L
▽
R
LOUDNESS
VOLUME
DAP
CH-
DP
MHz
kHz
R·D·S
EON
▷ TA
▷ NEWS
▷ INFO
2G
3G
4G
5G
6G
7G
8G
9G
11G


a
h
j
f
k
b
g
m
r
e
n
c
p
d

(2G~9G)


B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11

(10G)

ANODE CONNECTION

	1G	2G	3G~6G	7G	8G	9G	10G	11G
P1	MUTE AUTO	a	a	a	a	a	B1	R·D·S
P2	TUNED	b	b	b	b	b	B2	EON
P3	STEREO	j	j	j	j	j	B3	▷ TA
P4	VISUAL CONFIRMATION	k	k	k	k	k	B4	▷ NEWS
P5	SLEEP	h	h	h	h	h	B5	▷ INFO
P6	CSRP	f	f	f	f	f	B6	-
P7	-	m	m	m	m	m	B7	-
P8	-	g	g	g	g	g	B8	-
P9	HALL	c	c	c	c	c	B9	-
P10	3CH LOGIC	n	n	n	n	n	B10	-
P11	-	r	r	r	r	r	B11	-
P12	-	p	p	p	p	p	LOUDNESS	-
P13	PRO LOGIC	e	e	e	e	e	VOLUME	-
P14	-	d	d	d	d	d	L R	-
P15	SEA	CH-	-	DP	-	MHz	3D-PHONIC	-
P16	-	DAP	-	-	-	kHz	▽	-

PIN CONNECTION

PIN NO.	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	F2	F2	NP	NP	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NC	NC	NC	NC	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	NP	NP	F1	F1

NOTE 1) F1,F2 --- Filament
2) NP ------- No Pin
3) NC ------- No connection
4) DL ------- Datum Line
5) 1G~11G --- Grid

Disassembly Procedures

(1)Top cover removal (Fig.1)

1.Remove 4 screws "A" on both sides of the top cover and 3 screws "B" on the rear side.
2.Lift the back of the top cover spreading both sides to remove.

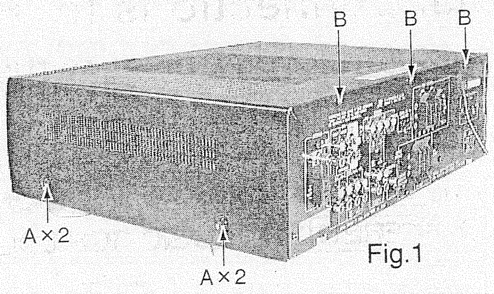
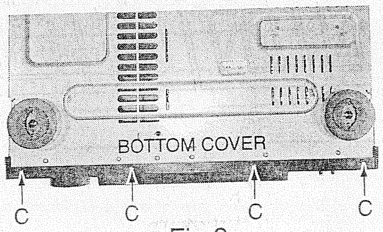
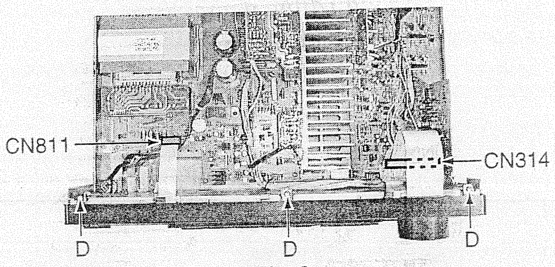


Fig.1

(2)Front panel assembly removal (Fig.2,3)

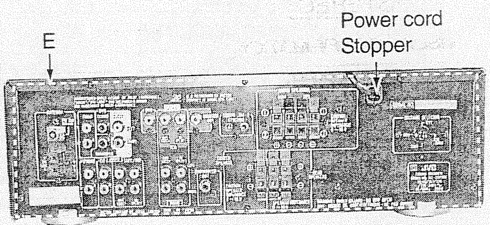
1.Remove the top cover.
2.Remove 4 screws "C" on the bottom side and 3 screws "D" on the top side.
3.Disconnect the wire CN811 on the MAIN P.C.Board.
4.Disconnect the wire CN314 on the AUDIO P.C.Board.
5.Remove the front panel assembly.


BOTTOM COVER
C
C
C
C
Fig.2


CN811
CN314
D
D
D
Fig.3

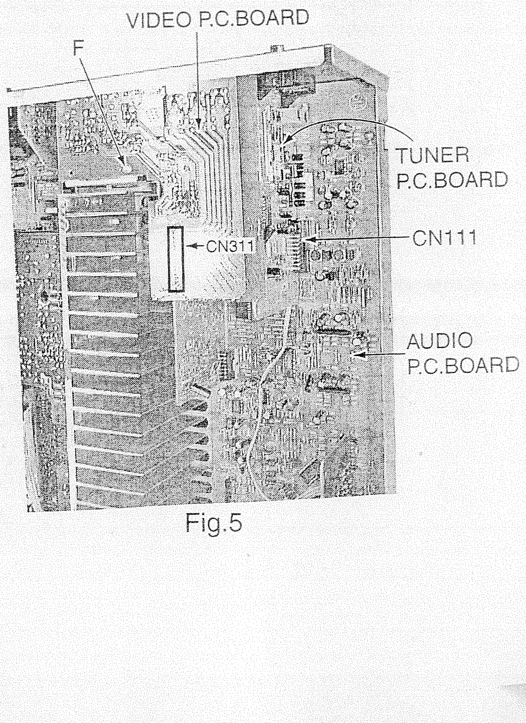
(3)Rear panel removal (Fig.4)

1.Remove the top cover.
2.Remove 21 screws "E" on the rear panel.
* In U version, the screws "E" is 24
* In E,EN,B version, the screws "E" is 17
3.Remove the power cord stopper up side.
4.Remove the rear panel.


E
Power cord Stopper
Fig.4

(4)Remove TUNER P.C.Board and VIDEO P.C.Board (Fig.5)

1.Remove the rear panel.
2.Remove 1 screw "F" on the VIDEO P.C.Board
3.Disconnect the connector CN311 on the VIDEO P.C.Board
4.Disconnect the connector CN111 on the AUDIO P.C.Board.


VIDEO P.C.BOARD
F
TUNER P.C.BOARD
CN111
CN311
AUDIO P.C.BOARD
Fig.5

(5)AUDIO P.C.BOARD Removal (Fig.6)

1. Remove the rear panel.
2. Remove the VIDEO P.C.Board and TUNER P.C.Board.
3. Disconnect the connector CN512 on the AUDIO P.C.Board.
4. Disconnect to the card wire CN314 on the AUDIO P.C.Board.
5. Disconnect the connector CN712 on the AMP P.C.Board.
6. Pullout the connector P.C.Board.
7. Remove 4 screws "G" on the AUDIO P.C.Board.
8. Remove the AUDIO P.C.Board.

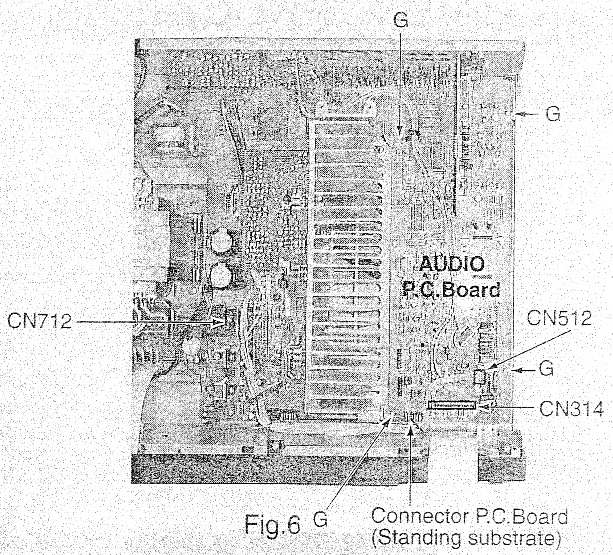

G
G
AUDIO
P.C.Board
CN712
CN512
G
CN314
G
Connector P.C.Board
(Standing substrate)

Fig.6

(6)MAIN P.C.BOARD Removal (Fig.6,7,8)

1. Remove the rear panel.
2. Pull out the AMP P.C.Board and connector P.C.Board.
3. Remove 8 screws "H" on the MAIN P.C.Board.
4. Remove 8 screws "I" on the Power transistor.
5. Disconnect the connector CN511 and wire CN831 on the MAIN P.C.Board.
6. Each tie band is cut out.
7. Remove 2 screws "J" on push switch of the front side.
8. Remove nut on terminal of the headphone.
9. The solder of the wire connected with the transformer is removed.
10. Remove the MAIN P.C.Board.

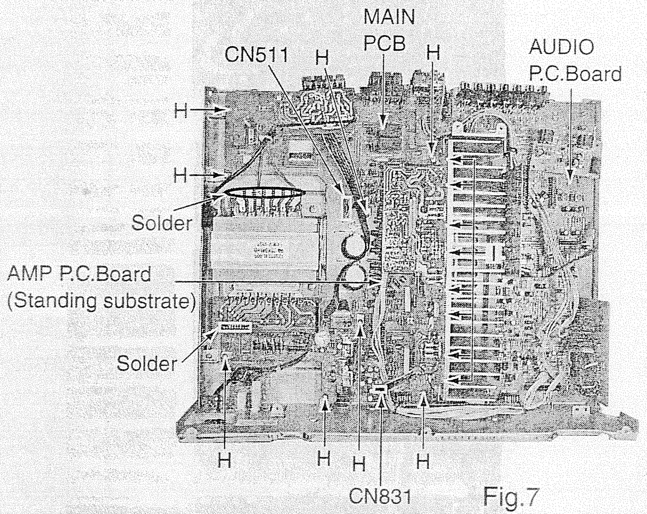

MAIN
PCB
CN511
H
H
AUDIO
P.C.Board
H
H
Solder
AMP P.C.Board
(Standing substrate)
Solder
H
H
H
H
CN831

Fig.7

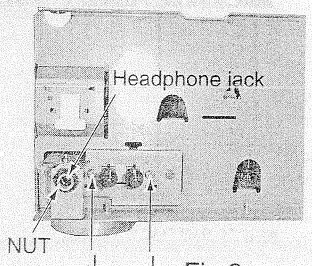

Headphone jack
NUT
J
J

Fig.8

(7)Front P.C.BOARD Removal (Fig.9)

1. Remove the top cover.
2. Remove the Front panel assembly.
3. Remove the master volume knob and nut.
4. Remove the 13 screws "K" on the Front P.C.Board.

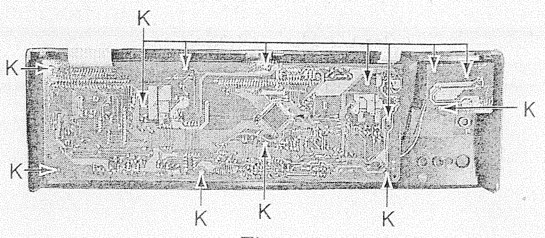


Fig.9

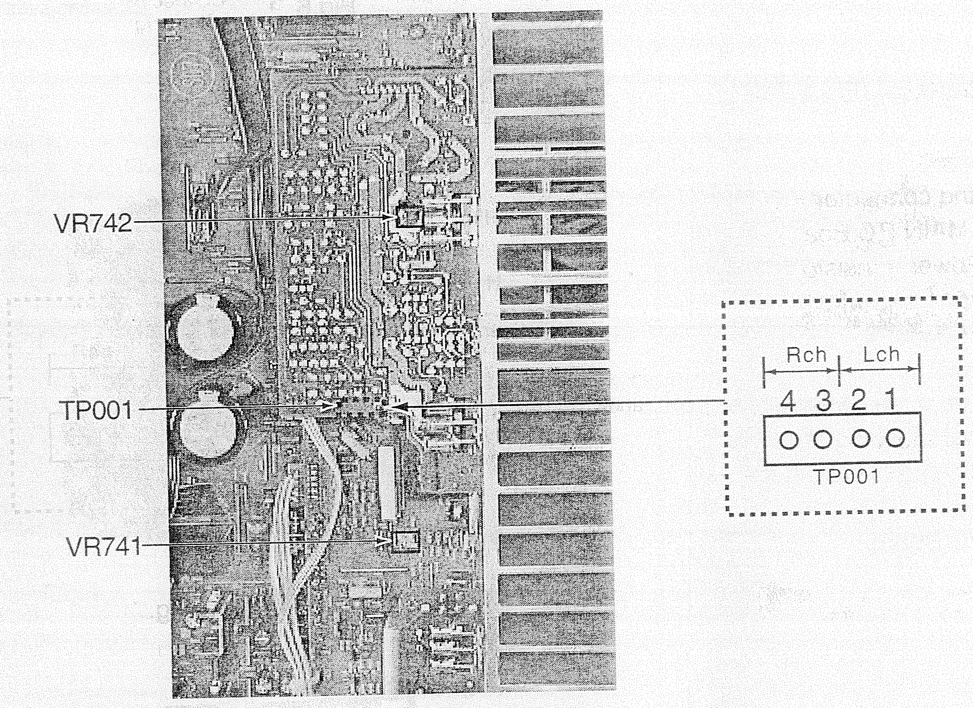
ADJUSTMENT PROCEDURES

■ TUNER SECTION

1.Tuner range

FM	87.5MHz~108.0MHz
AM(MW)	530kHz~1710kHz (RX-558VBK only Ver.J,C) 522kHz~1629kHz (RX-558RBK) 531kHz~1602kHz 530kHz~1600kHz (RX-558VBK except Ver. J,C)
LW	144kHz~288kHz (RX-558RBK)

■ POWER AMPLIFIER SECTION



IDLING CURRENT

1.Set the volume control to minimum during this adjustment.

2.Set the surround mode. RX-558VBK : OFF RX-558RBK : ON.

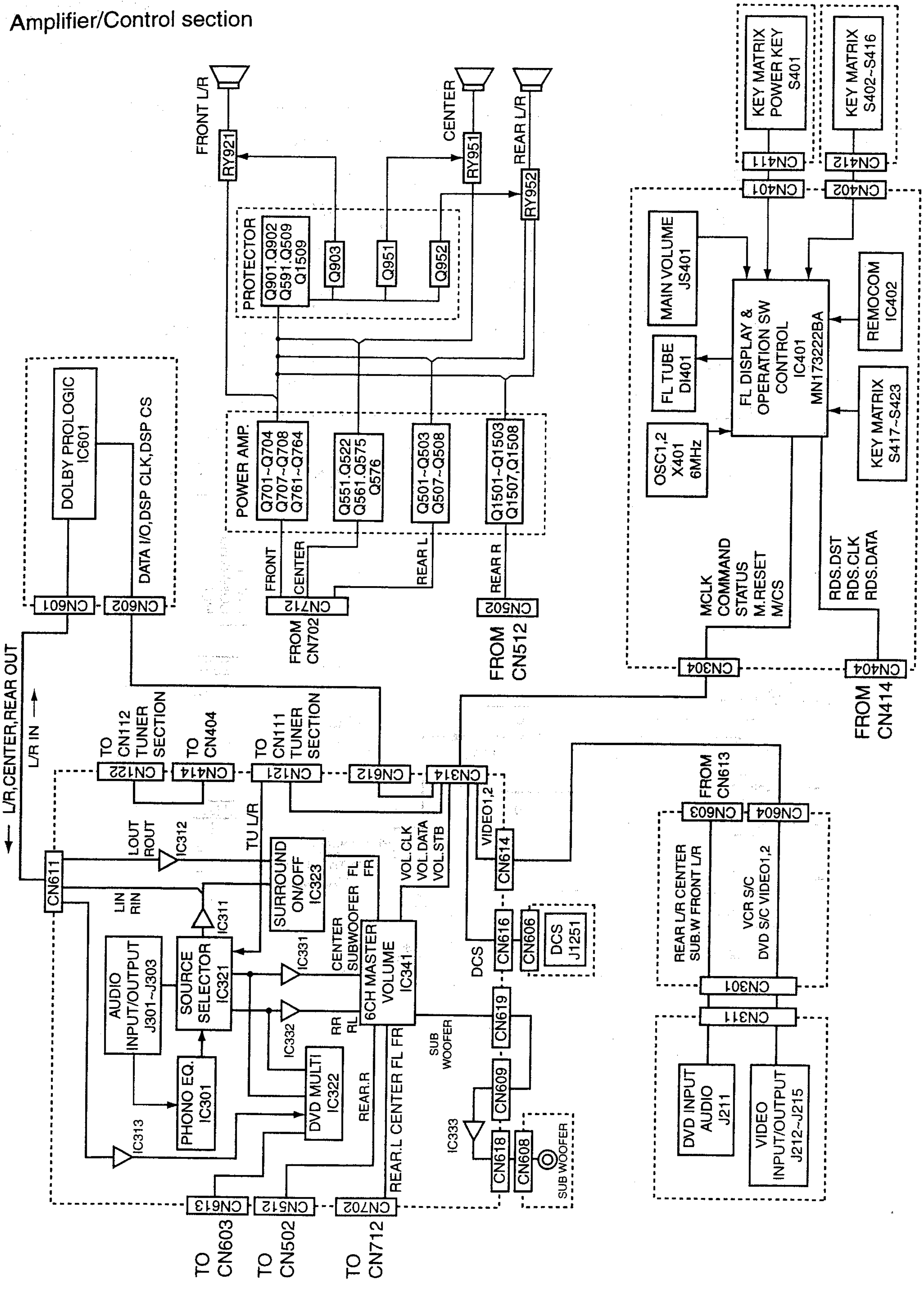
2.Turn VR741 and VR742 fully counterclockwise to warm up before adjustment.
If the heat sink is already warm from previous use the correct adjustment can not be made.

3.For L-ch,connect a DC voltmeter between TP001's pin1 and pin2 (Lch)
And,connect it between pin3 and pin4(Rch).

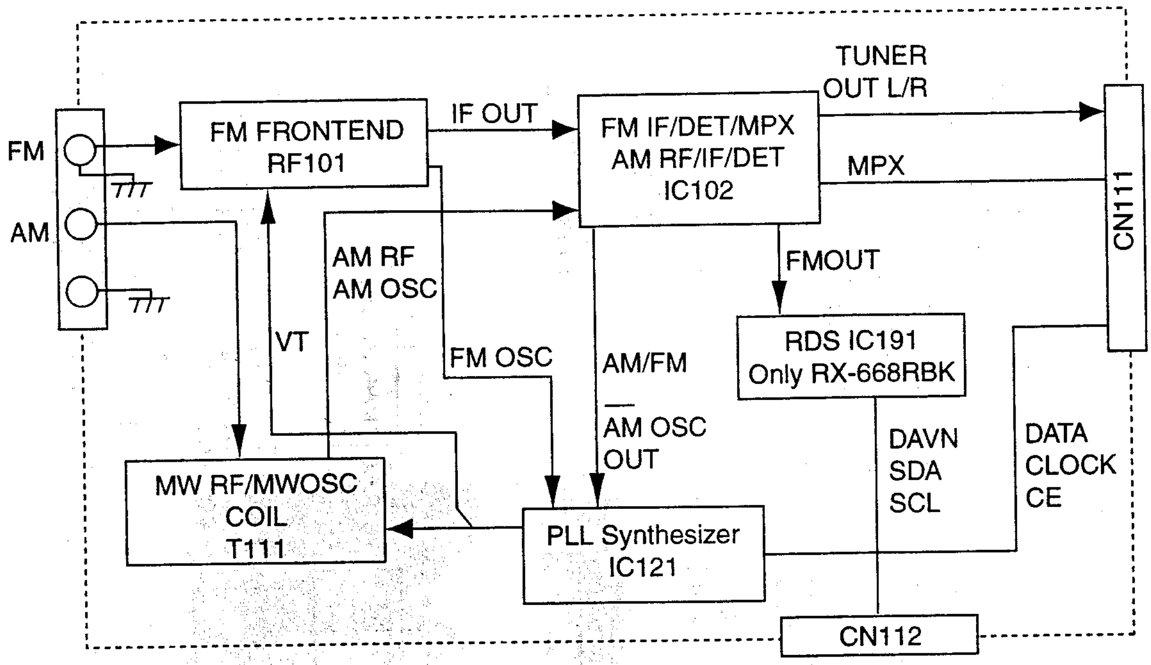
4.30 minutes later after power on, adjust VR741 for L-ch, or VR742 for R-ch so that the DC voltmeter value has 1mV~10mV.

■ BLOCK DIAGRAM

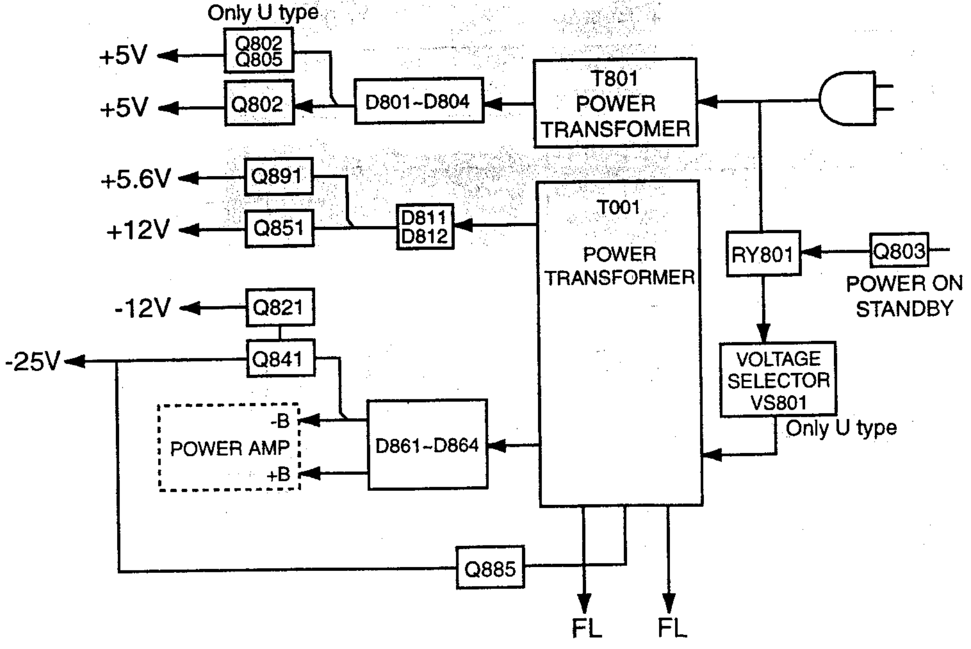
Amplifier/Control section


FRONT L/R
RY921
CENTER
RY951
REAR L/R
RY952
PROTECTOR
Q901,Q902
Q591,Q509
Q1509
Q903
Q951
Q952
POWER AMP.
Q701~Q704
Q707~Q708
Q761~Q764
Q551,Q522
Q561,Q575
Q576
Q501~Q503
Q507~Q508
Q1501~Q1503
Q1507,Q1508
FRONT
CENTER
REAR L
REAR R
CN712
FROM CN702
CN502
FROM CN512
DOLBY PROLOGIC
IC601
DATA I/O,DSP CLK,DSP CS
CN601
CN602
KEY MATRIX
POWER KEY
S401
KEY MATRIX
S402~S416
CN411
CN412
CN401
CN402
MAIN VOLUME
JS401
FL TUBE
DI401
OSC1,2
X401
6MHz
FL DISPLAY &
OPERATION SW
CONTROL
IC401
MN173222BA
REMOCOM
IC402
KEY MATRIX
S417~S423
MCLK
COMMAND
STATUS
M.RESET
M/CS
RDS.DST
RDS.CLK
RDS.DATA
CN304
CN404
FROM CN414
L/R,CENTER,REAR OUT
L/R IN
TO CN112 TUNER SECTION
TO CN404
TO CN111 TUNER SECTION
CN122
CN414
CN121
CN612
CN314
VIDEO1,2
CN614
FROM CN613
CN603
CN604
REAR L/R CENTER
SUB.W FRONT L/R
VCR S/C
DVD S/C VIDEO1,2
CN301
CN311
DVD INPUT
AUDIO
J211
VIDEO
INPUT/OUTPUT
J212~J215
CN611
LOUT
ROUT
IC312
LIN
RIN
IC311
TU L/R
SURROUND
ON/OFF
IC323
FL
FR
VOL.CLK
VOL.DATA
VOL.STB
AUDIO
INPUT/OUTPUT
J301~J303
SOURCE
SELECTOR
IC321
IC331
CENTER
SUBWOOFER
6CH MASTER
VOLUME
IC341
CN616
CN606
DCS
J1251
DCS
RR
RL
IC332
CN619
SUB
WOOFER
PHONO EQ.
IC301
DVD MULTI
IC322
REAR.R
REAR.L CENTER FL FR
CN609
IC333
CN618
CN608
SUB WOOFER
IC313
CN613
CN512
CN702
TO CN603
TO CN502
TO CN712

Tuner Section

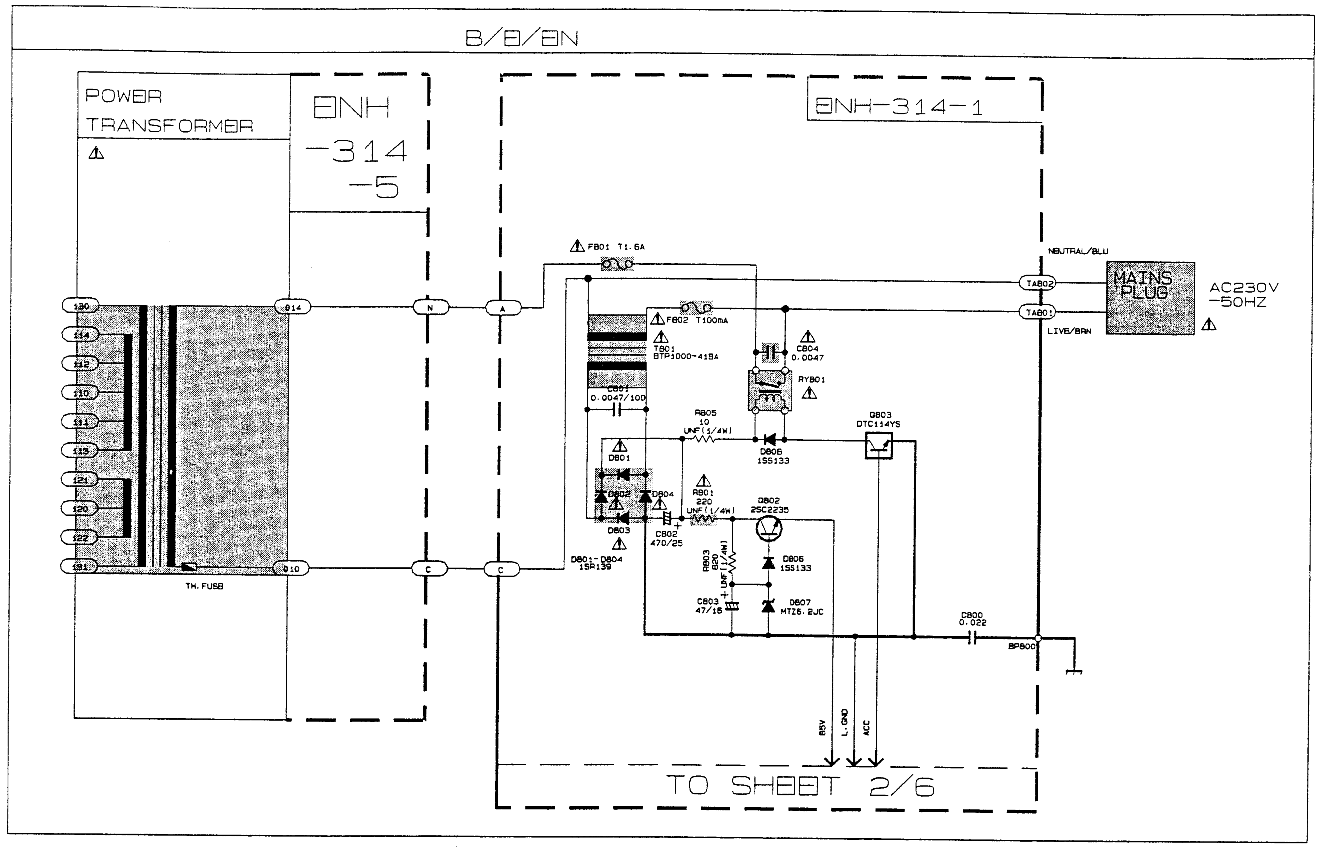

FM
AM
FM FRONTEND
RF101
IF OUT
FM IF/DET/MPX
AM RF/IF/DET
IC102
TUNER
OUT L/R
MPX
CN111
AM RF
AM OSC
VT
FM OSC
AM/FM
AM OSC
OUT
FMOUT
RDS IC191
Only RX-668RBK
DAVN
SDA
SCL
DATA
CLOCK
CE
MW RF/MWOSC
COIL
T111
PLL Synthesizer
IC121
CN112

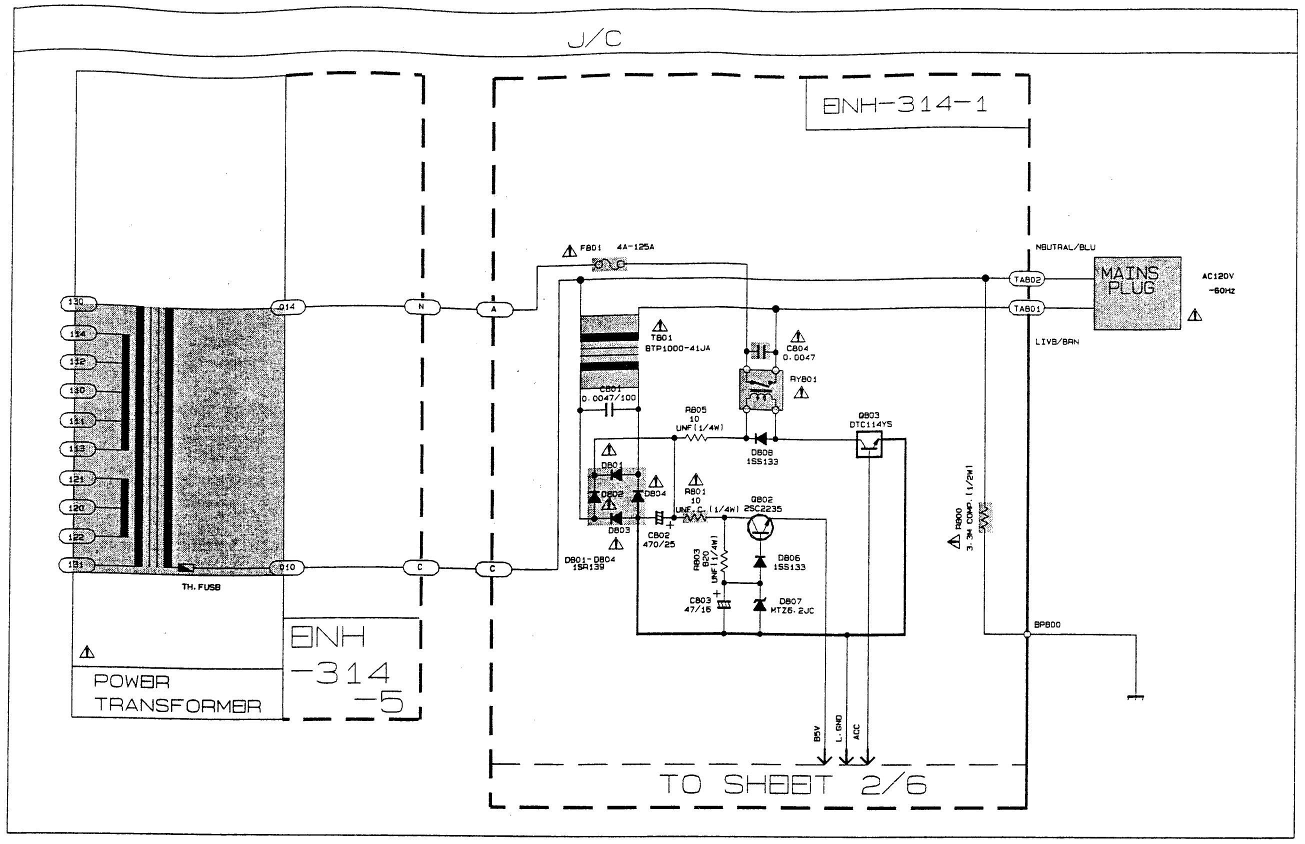
Power Supply Section

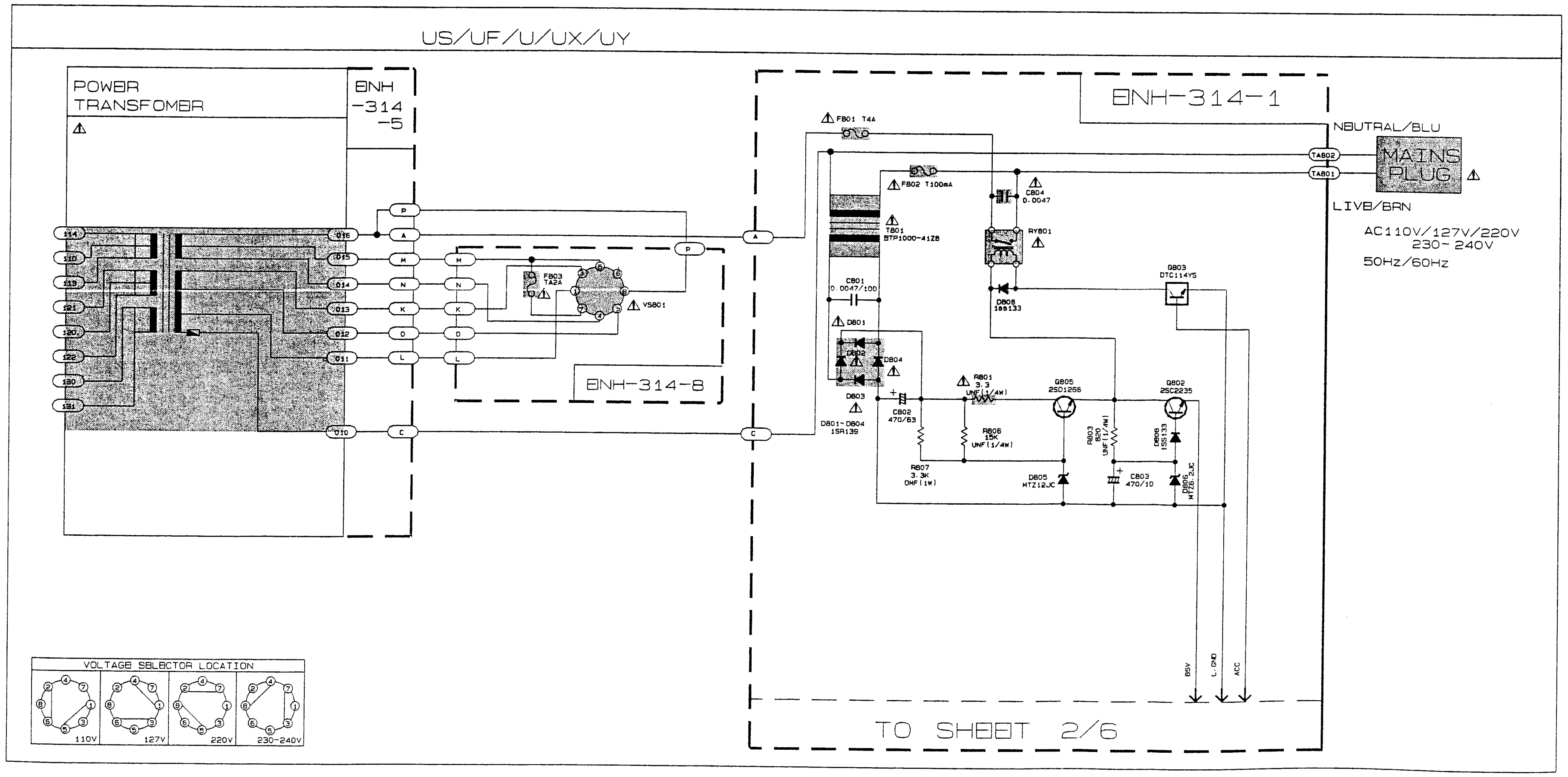

Only U type
+5V
Q802
Q805
+5V
Q802
D801~D804
T801
POWER
TRANSFOMER
+5.6V
Q891
+12V
Q851
D811
D812
T001
POWER
TRANSFORMER
RY801
Q803
POWER ON
STANDBY
-12V
Q821
-25V
Q841
VOLTAGE
SELECTOR
VS801
Only U type
-B
POWER AMP
+B
D861~D864
Q885
FL
FL

Standerd Schematic Diagrams

■ Power Primary Section


B/E/EN
POWER TRANSFORMER
ENH-314-5
ENH-314-1
F801 T1.6A
F802 T100mA
T801 ETP1000-41EA
C804 0.0047
RY801
C801 0.0047/100
R805 10 UNF(1/4W)
D808 1SS133
Q803 DTC114YS
D801
D802
D804
D803
R801 220 UNF(1/4W)
Q802 2SC2235
C802 470/25
D801-D804 1SR139
R803
D806 1SS133
C803 47/16
D807 MTZ6.2JC
C800 0.022
EP800
NEUTRAL/BLU
TAB02
TAB01
LIVE/BRN
MAINS PLUG
AC230V -50HZ
TH. FUSE
5V
L.GND
ACC
TO SHEET 2/6


J/C
ENH-314-1
F801 4A-125A
NEUTRAL/BLU
TAB02
TAB01
LIVE/BRN
MAINS PLUG
AC120V -60Hz
T801 ETP1000-41JA
C804 0.0047
RY801
C801 0.0047/100
R805 10 UNF(1/4W)
D808 1SS133
Q803 DTC114YS
R801 10
Q802 2SC2235
C802 470/25
D801-D804 1SR139
D806 1SS133
C803 47/16
D807 MTZ6.2JC
R800 3.3K COMP.(1/2W)
EP800
TH. FUSE
POWER TRANSFORMER
ENH-314-5
5V
L.GND
ACC
TO SHEET 2/6


US/UF/U/UX/UY
POWER TRANSFOMER
ENH-314-5
ENH-314-1
ENH-314-8
F803 T2A
VS801
F801 T4A
F802 T100mA
T801 ETP1000-41ZE
C804 0.0047
RY801
C801 0.0047/100
D801
D802
D804
D803
D808 1SS133
Q803 DTC114YS
R801 3.3 UNF(1/4W)
Q805 2SD1266
Q802 2SC2235
C802 470/63
D801-D804 1SR139
R806 15K UNF(1/4W)
R807 3.3K CMF(1W)
D805 MTZ12JC
R803
D806 1SS133
C803 470/10
D807 MTZ6.2JC
NEUTRAL/BLU
TAB02
TAB01
MAINS PLUG
LIVE/BRN
AC110V/127V/220V 230-240V
50Hz/60Hz
5V
L.GND
ACC
TO SHEET 2/6
VOLTAGE SELECTOR LOCATION
110V
127V
220V
230-240V

VERSION CODES

EN : NORDIC COUNTRIES
E : CONTINENTAL EUROPE
B : U.K.
C : CANADA
J : U.S.A.
US : SINGAPORE
UF : CHINA
U : UNIVERSAL EXCEPT ALL OF ABOVES
UX : SAUDI ARABIA
UY : ARGENTINA

NOTES :

MARK(*) IS TO SHOW DEVIATION IN VERSIONS.
DETAILS ARE EXPLAINED NEAR THE MARK.

EXPLANATION OF OVERALL OF SCHEMA.
MODEL RX-558VBK/RX-558RBK/RX-559VGD

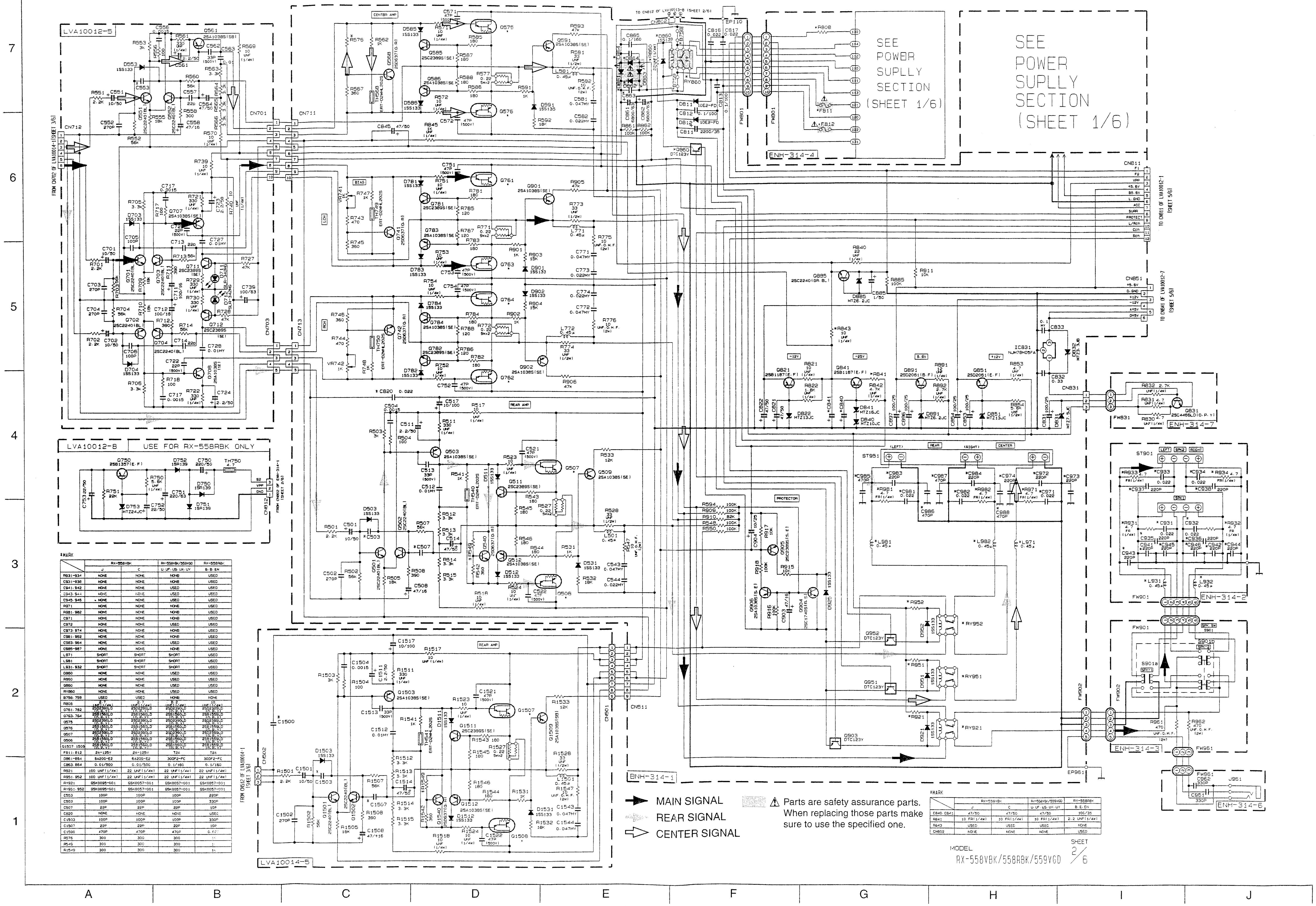
SHEET NUMBER	CIRCUIT DESCRIPTION
1/6	PRIMARY
2/6	RECTIFIER/REGULATOR /AUDIO AMP./SPEAKER TERMINAL
3/6	AUDIO SIGNAL INPUT TERMINAL /SOURCE SELECT IC /FRONT REAR CENTER VOLUME
4/6	AUDIO VIDEO SIGNAL INPUT TERMINAL /SOURCE SELECT IC
5/6	USER CONTROL KEYS/SYSTEMCONTROL LSI /FL DISPLAY
6/6	SURROUND IC

▨ ⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

MODEL
RX-558VBK/558RBK/559VGD

SHEET
1/6

Audio Amp/Power Primary Section


LVA10012-5
LVA10012-8
USE FOR RX-558RBK ONLY
LVA10014-5
ENH-314-1
ENH-314-2
ENH-314-3
ENH-314-4
ENH-314-6
ENH-314-7
SEE POWER SUPLLY SECTION (SHEET 1/6)
SEE POWER SUPLLY SECTION (SHEET 1/6)
CENTER AMP
REAR AMP
PROTECTOR
BIAS
FROM CN702 OF LVA10014-1 (SHEET 3/6)
FROM CN512 OF LVA10014-1 (SHEET 3/6)
TO CN812 OF LVA10015-8 (SHEET 2/6)
TO CN811 OF LVA10012-1 (SHEET 5/6)
TO CN841 OF LVA10012-7 (SHEET 5/6)
CN701
CN711
CN712
CN703
CN713
CN501
CN511
CN811
CN851
CN831
ST951
ST901
FW801
FW901
FW902
FW951
FW831
EP961
EP110
J951
RY860
RY921
RY951
RY952
IC831
NJM78M05FA
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7

*MARK

	RX-558VBK		RV-558VBK/559VGD	RX-558RBK
	J	C	U. UF. US. UX. UY	B. B. EN
R931-934	NONE	NONE	NONE	USED
C931-938	NONE	NONE	NONE	USED
C941. 942	NONE	NONE	USED	USED
C943. 944	NONE	NONE	USED	USED
C945. 946	NONE	NONE	USED	USED
R971	NONE	NONE	NONE	USED
R981. 982	NONE	NONE	NONE	USED
C971	NONE	NONE	NONE	USED
C972	NONE	NONE	USED	USED
C973. 974	NONE	NONE	NONE	USED
C981. 982	NONE	NONE	NONE	USED
C983. 984	NONE	NONE	USED	USED
C985-987	NONE	NONE	NONE	USED
L971	SHORT	SHORT	SHORT	USED
L981	SHORT	SHORT	SHORT	USED
L931. 932	SHORT	SHORT	SHORT	USED
D860	NONE	NONE	USED	USED
R860	NONE	NONE	USED	USED
Q860	NONE	NONE	USED	USED
RY860	NONE	NONE	USED	USED
B758. 759	USED	USED	NONE	NONE
R806	2.7 UNF(1/4W)	2.7 UNF(1/4W)	8.2 UNF(1/4W)	10 UNF(1/4W)
Q761. 762	2SD2390LD (O. P. Y)	2SD2390LD (O. P. Y)	2SD2390LD (O. P. Y)	2SD2389LD (O. P. Y)
Q763. 764	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1559LD (O. P. Y)
Q575	2SD2390LD (O. P. Y)	2SD2390LD (O. P. Y)	2SD2390LD (O. P. Y)	2SD2389LD (O. P. Y)
Q576	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1559LD (O. P. Y)
Q507	2SD2390LD (O. P. Y)	2SD2390LD (O. P. Y)	2SD2390LD (O. P. Y)	2SD2389LD (O. P. Y)
Q508	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1559LD (O. P. Y)
Q1507. 1508	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1560LD (O. P. Y)	2SB1559LD (O. P. Y)
F811. 812	2A-125V	2A-125V	T2A	T2A
D861-864	6A20G-E2	6A20G-E2	30DF2-FC	30DF2-FC
C863. 864	0.01/500	0.01/500	0.1/160	0.1/160
R921	100 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)
R951. 952	100 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)
RY921	QSK0095-001	QSK0057-001	QSK0057-001	QSK0057-001
RY951. 952	QSK0095-001	QSK0057-001	QSK0057-001	QSK0057-001
C553	100P	100P	100P	220P
C503	100P	100P	100P	330P
C507	22P	22P	22P	10P
C820	NONE	NONE	NONE	USED
C1503	100P	100P	100P	330P
C1507	22P	22P	22P	10P
C1500	470P	470P	470P	0.022
R576	300	300	300	1K
R549	300	300	300	1K
R1549	300	300	300	1K

➡ MAIN SIGNAL

➡ REAR SIGNAL

⇨ CENTER SIGNAL

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

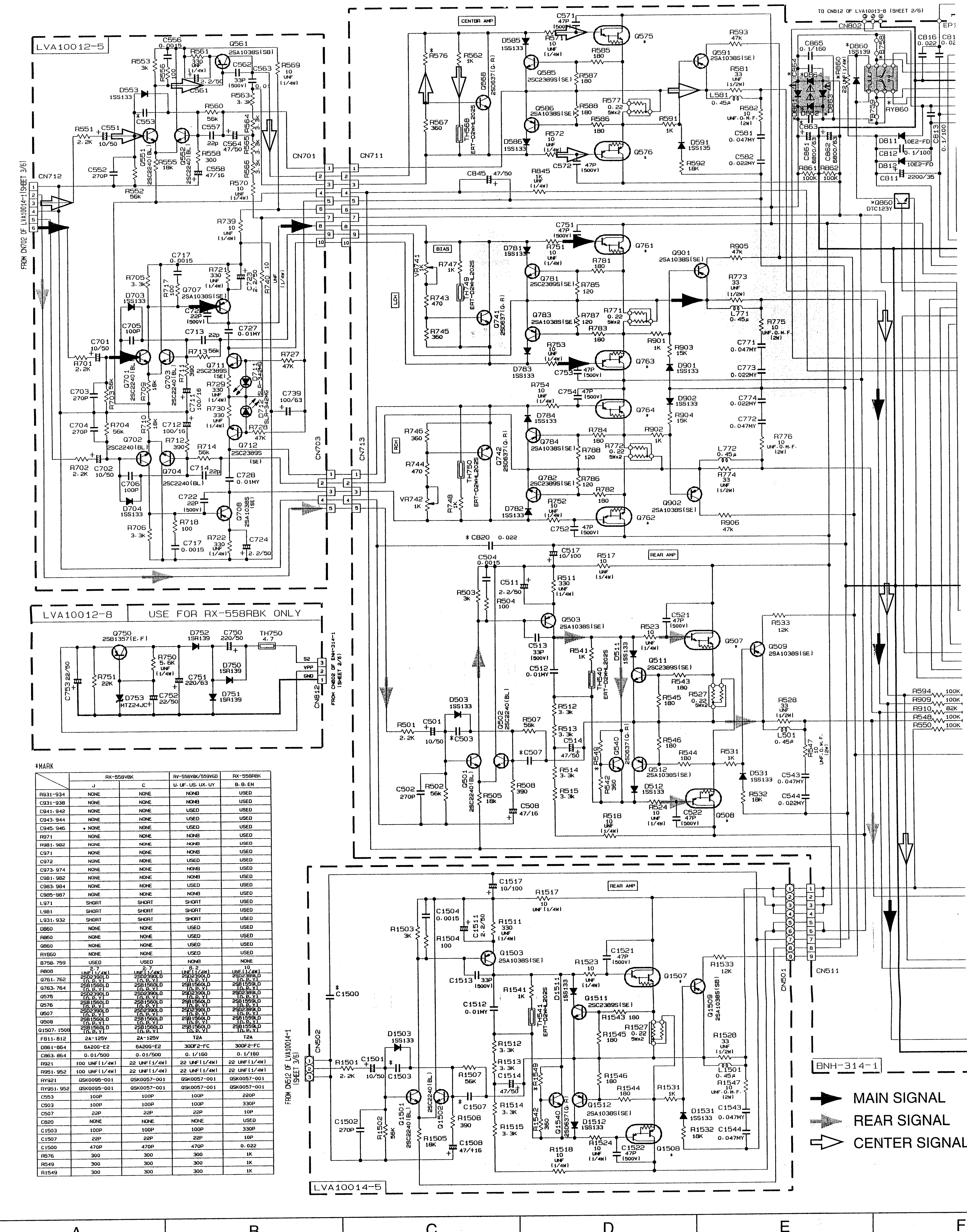
*MARK

	RX-558VBK		RV-558VBK/559VGD	RX-558RBK
	J	C	U. UF. US. UX. UY	B. E. EN
C840. C841	47/50	47/50	47/50	100/35
R841	10 FR(1/4W)	10 FR(1/4W)	10 FR(1/4W)	2.2 UNF(1/4W)
R843	USED	USED	USED	NONE
CN802	NONE	NONE	NONE	USED

MODEL
RX-558VBK/558RBK/559VGD

SHEET 2/6

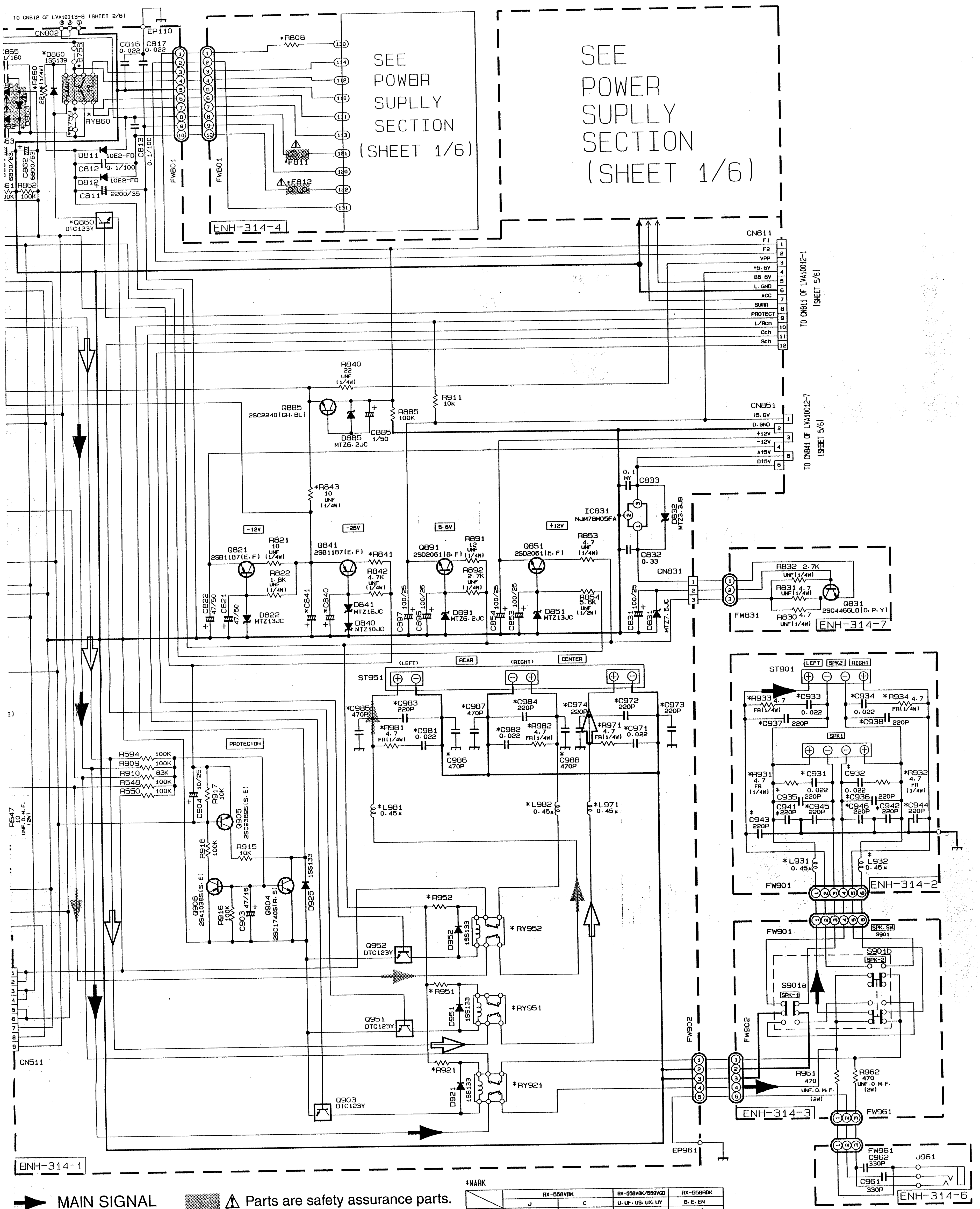
■ Audio Amp/Power Primary Section


LVA10012-5
LVA10012-8
USE FOR RX-558RBK ONLY
LVA10014-5
BNH-314-1
CENTER AMP
REAR AMP
BIAS
LCH
RCH
CN712
CN701
CN711
CN703
CN713
CN812
CN502
CN501
CN511
CN802
FROM CN702 OF LVA10014-1 (SHEET 3/6)
FROM CN802 OF BNH-314-1 (SHEET 2/6)
FROM CN512 OF LVA10014-1 (SHEET 3/6)
TO CN812 OF LVA10013-8 (SHEET 2/6)
MAIN SIGNAL
REAR SIGNAL
CENTER SIGNAL
A
B
C
D
E
F
1
2
3
4
5
6
7

*MARK

	RX-558VBK		RV-558VBK/559VGD	RX-558RBK
	J	C	U. UF. US. UX. UY	B. B. EN
R931-934	NONE	NONE	NONE	USED
C931-938	NONE	NONE	NONE	USED
C941, 942	NONE	NONE	USED	USED
C943, 944	NONE	NONE	USED	USED
C945, 946	NONE	NONE	USED	USED
R971	NONE	NONE	NONE	USED
R981, 982	NONE	NONE	NONE	USED
C971	NONE	NONE	NONE	USED
C972	NONE	NONE	USED	USED
C973, 974	NONE	NONE	NONE	USED
C981, 982	NONE	NONE	NONE	USED
C983, 984	NONE	NONE	USED	USED
C985-987	NONE	NONE	NONE	USED
L971	SHORT	SHORT	SHORT	USED
L981	SHORT	SHORT	SHORT	USED
L931, 932	SHORT	SHORT	SHORT	USED
D860	NONE	NONE	USED	USED
R860	NONE	NONE	USED	USED
Q860	NONE	NONE	USED	USED
RY860	NONE	NONE	USED	USED
B758, 759	USED	USED	NONE	NONE
R808	2.7 UNF(1/4W)	2.7 UNF(1/4W)	8.2 UNF(1/4W)	10 UNF(1/4W)
Q761, 762	2SD2390LD (O, P, Y)	2SD2390LD (O, P, Y)	2SD2390LD (O, P, Y)	2SD2389LD (O, P, Y)
Q763, 764	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1559LD (O, P, Y)
Q575	2SD2390LD (O, P, Y)	2SD2390LD (O, P, Y)	2SD2390LD (O, P, Y)	2SD2389LD (O, P, Y)
Q576	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1559LD (O, P, Y)
Q507	2SD2390LD (O, P, Y)	2SD2390LD (O, P, Y)	2SD2390LD (O, P, Y)	2SD2389LD (O, P, Y)
Q508	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1559LD (O, P, Y)
Q1507, 1508	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1560LD (O, P, Y)	2SB1559LD (O, P, Y)
F811, 812	2A-125V	2A-125V	T2A	T2A
D861-864	6A20G-E2	6A20G-E2	30DF2-FC	30DF2-FC
C863, 864	0.01/500	0.01/500	0.1/160	0.1/160
R921	100 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)
R951, 952	100 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)	22 UNF(1/4W)
RY921	QSK0095-001	QSK0057-001	QSK0057-001	QSK0057-001
RY951, 952	QSK0095-001	QSK0057-001	QSK0057-001	QSK0057-001
C553	100P	100P	100P	220P
C503	100P	100P	100P	330P
C507	22P	22P	22P	10P
C820	NONE	NONE	NONE	USED
C1503	100P	100P	100P	330P
C1507	22P	22P	22P	10P
C1500	470P	470P	470P	0.022
R576	300	300	300	1K
R549	300	300	300	1K
R1549	300	300	300	1K

K


TO CN812 OF LVA10013-8 (SHEET 2/6)
CN802
EP110
C816 0.022
C817 0.022
*D860 1SS139
*R860 22 FR(1/4W)
RY860
D811 10E2-FD
C812 0.1/100
D812 10E2-FD
C811 2200/35
C813 0.1/100
C862 6800/63
R862 100K
*Q860 DTC123Y
FW801
*R808
SEE POWER SUPLLY SECTION (SHEET 1/6)
*F811
*F812
ENH-314-4
CN811
F1
F2
VPP
+5.6V
B5.6V
L.GND
ACC
SURR
PROTECT
L/Rch
Cch
Sch
TO CN811 OF LVA10012-1 (SHEET 5/6)
CN851
+5.6V
D.GND
+12V
-12V
A+5V
D+5V
TO CN841 OF LVA10012-7 (SHEET 5/6)
R840 22 UNF (1/4W)
Q885 2SC2240(GR,BL)
D885 MTZ6.2JC
R885 100K
C885 1/50
R911 10K
*R843 10 UNF (1/4W)
-12V
-26V
5.6V
+12V
Q821 2SB1187(E,F)
R821 10 UNF (1/4W)
R822 1.8K UNF (1/4W)
D822 MTZ13JC
C822 47/50
C821 47/50
Q841 2SB1187(E,F)
*R841
R842 4.7K UNF (1/4W)
*C841
*C840
D841 MTZ16JC
D840 MTZ10JC
Q891 2SD2061(E,F)
R891 12 UNF (1/4W)
R892 2.7K UNF (1/4W)
D891 MTZ6.2JC
C897 100/25
C895 100/25
Q851 2SD2061(E,F)
R853 4.7 UNF (1/4W)
R854 5.6K UNF (1/2W)
D851 MTZ13JC
C854 100/25
C853 100/25
C833 0.1 MY
IC831 NJM78M05FA
D832 MTZ3.3JB
C832 0.33
CN831
C831 100/25
D831 MTZ7.5JC
R832 2.7K UNF(1/4W)
R831 4.7 UNF(1/4W)
R830 4.7 UNF(1/4W)
Q831 2SC4466LD(O,P,Y)
FW831
ENH-314-7
ST951
(LEFT)
REAR
(RIGHT)
CENTER
*C985 470P
*C983 220P
*R981 4.7 FR(1/4W)
*C981 0.022
*C986 470P
*C987 470P
*C984 220P
*C982 0.022
*R982 4.7 FR(1/4W)
*C988 470P
*C974 220P
*C972 220P
*R971 4.7 FR(1/4W)
*C971 0.022
*C973 220P
*L981 0.45μ
*L982 0.45μ
*L971 0.45μ
PROTECTOR
R594 100K
R909 100K
R910 82K
R548 100K
R550 100K
R547 10 UNF.O.M.F. (2W)
C904 10/25
R917 10K
Q905 2SC2389S(S,E)
R918 100K
R915 10K
1SS133
Q906 2SA1038S(S,E)
R916 100K
C903 47/16
Q904 2SC1740S(R,S)
D925
*R952
D952 1SS133
*RY952
Q952 DTC123Y
*R951
D951 1SS133
*RY951
Q951 DTC123Y
*R921
D921 1SS133
*RY921
Q903 DTC123Y
CN511
EP961
ENH-314-1
ST901
LEFT
SPK2
RIGHT
*R933 4.7 FR(1/4W)
*C933 0.022
*C937 220P
*C934 0.022
*R934 4.7 FR(1/4W)
*C938 220P
SPK1
*R931 4.7 FR (1/4W)
*C931 0.022
C932 0.022
*R932 4.7 FR (1/4W)
C935 220P
*C936 220P
C941 *220P
*C945 220P
*C946 220P
*C942 220P
*C944 220P
*C943 220P
*L931 0.45μ
*L932 0.45μ
FW901
ENH-314-2
SPK.SW
S901
S901b
SPK-2
S901a
SPK-1
FW902
R961 470 UNF.O.M.F. (2W)
R962 470 UNF.O.M.F. (2W)
ENH-314-3
FW961
C962 330P
J961
C961 330P
ENH-314-6

- ➡ MAIN SIGNAL
- ➡ REAR SIGNAL
- ⇨ CENTER SIGNAL

▨ ⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

*MARK

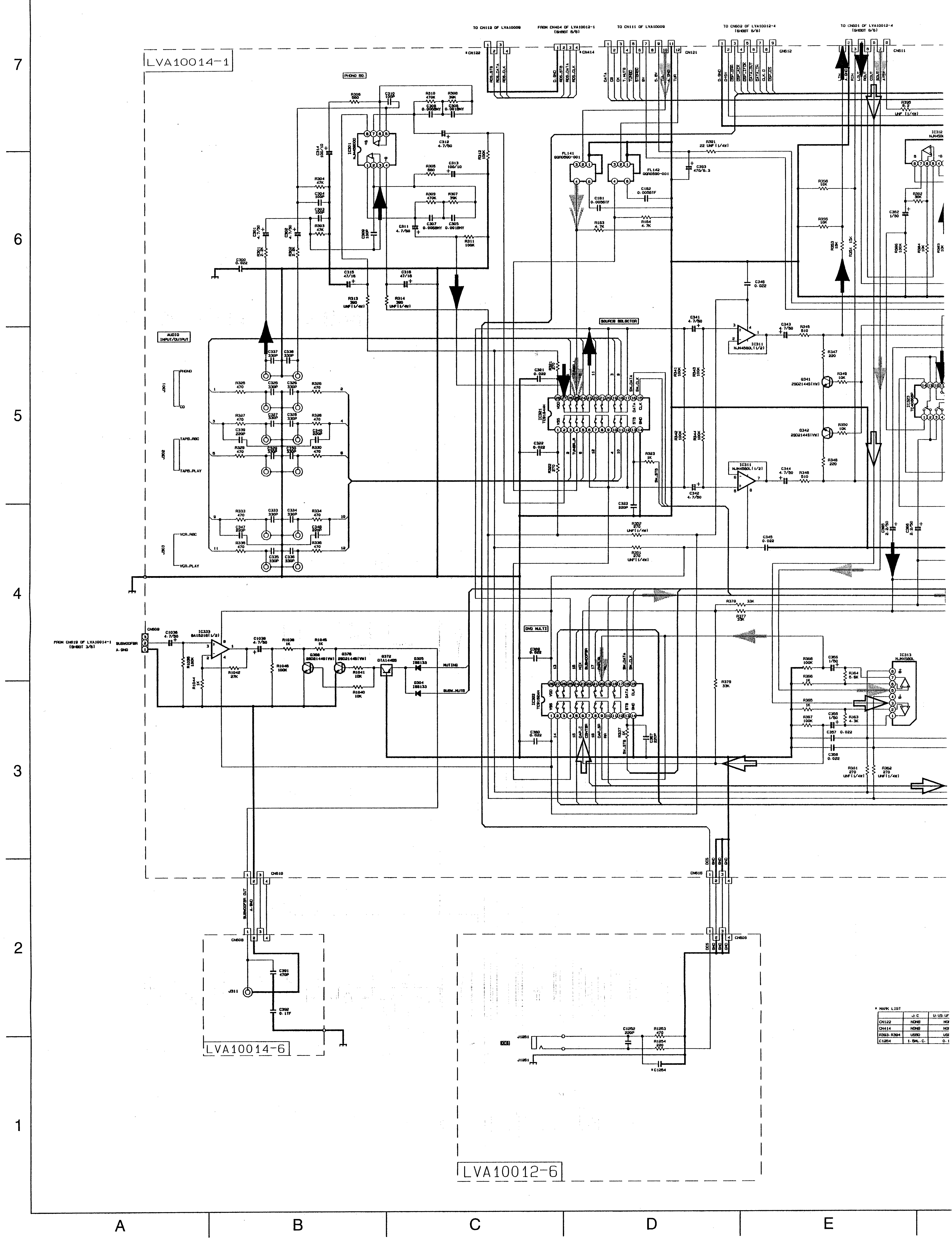
	RX-558VBK		RV-558VBK/559VGD	RX-558RBK
	J	C	U, UF, US, UX, UY	B, E, EN
C840, C841	47/50	47/50	47/50	100/35
R841	10 FR(1/4W)	10 FR(1/4W)	10 FR(1/4W)	2.2 UNF(1/4W)
R843	USED	USED	USED	NONE
CN802	NONE	NONE	NONE	USED

MODEL
RX-558VBK/558RBK/559VGD

SHEET
2/6

F G H I J

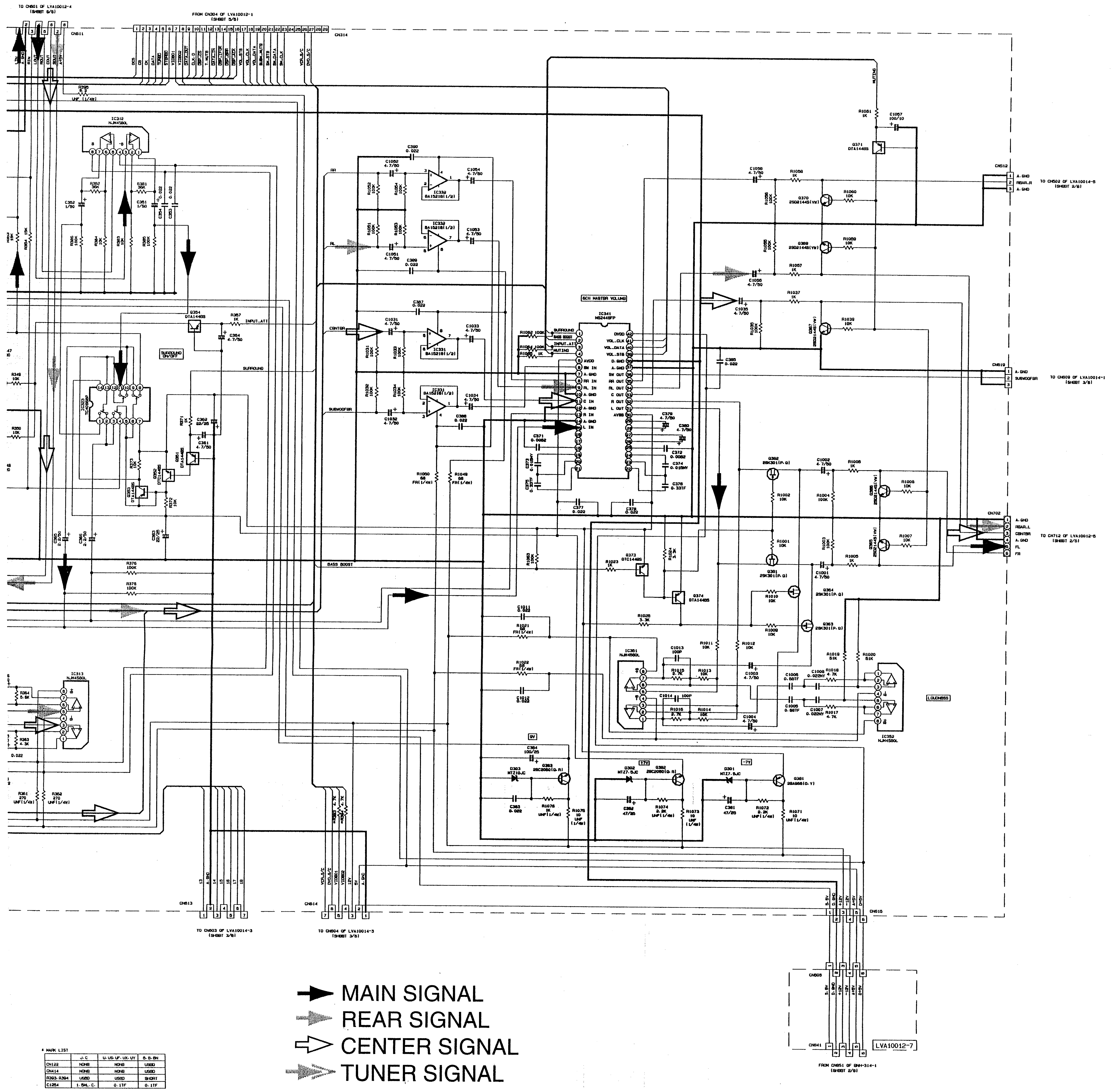
■ Audio Signal Input Section



7
6
5
4
3
2
1
A
B
C
D
E
LVA10014-1
LVA10014-6
LVA10012-6
TO CN112 OF LVA10009
FROM CN404 OF LVA10012-1 (SHEET 6/6)
TO CN111 OF LVA10009
TO CN602 OF LVA10012-4 (SHEET 6/6)
TO CN601 OF LVA10012-4 (SHEET 6/6)
*CN122
*CN414
CN121
CN612
CN611
RDS_STB
RDS_DATA
RDS_CLK
D.GND
DATA
CE
CK
T.MUTE
TUNED
STEREO
9V
5.6V
TUL
A.GND
TUR
D+5V
DSP_ERR
DSP_ACK
DSP_IFOK
DATA_OUT
DATA_IN
CLK.D
DSP_CS
LIN
RIN
LOUT
ROUT
COUT
SOUT
A+9V
PHONO EQ.
IC301 NJM2068D
FL141 QQR0590-001
FL142 QQR0590-001
SOURCE SELECTOR
IC321 TC9163AN
IC311 NJM4560L(1/2)
IC311 NJM4560L(1/2)
IC312 NJM4560L
IC313 NJM4560L
AUDIO INPUT/OUTPUT
J301
PHONO
CD
J302
TAPE_REC
TAPE_PLAY
J303
VCR_REC
VCR_PLAY
FROM CN619 OF LVA10014-1 (SHEET 3/6)
CN609
SUBWOOFER
A.GND
IC333 BA15218(1/2)
Q368 2SD2144S(VW)
Q378 2SD2144S(VW)
Q372 DTA144ES
D305 1SS133
D304 1SS133
MUTING
SUBW_MUTE
DVD MULTI
IC322 TC9163AN
CN618
CN608
SUBWOOFER OUT
J311
CN616
CN606
DCS
J1251
Q341 2SD2144S(VW)
Q342 2SD2144S(VW)

* MARK LIST

	J.C	U.US.UF
CN122	NONE	NO
CN414	NONE	NO
R393.R394	USED	US
C1254	1.5ML.C.	0.1


MAIN SIGNAL
REAR SIGNAL
CENTER SIGNAL
TUNER SIGNAL
IC341 M62446FP
IC331 BA15218(1/2)
IC332 BA15218(1/2)
IC312 NJM4580L
IC313 NJM4580L
IC351 NJM4580L
IC352 NJM4580L
CN311
CN314
CN512
CN610
CN702
CN613
CN614
CN615
CN609
CN641
LVA10012-7
TO CN503 OF LVA10014-3 (SHEET 3/6)
TO CN504 OF LVA10014-3 (SHEET 3/6)
FROM CN304 OF LVA10012-1 (SHEET 5/6)
TO CN502 OF LVA10014-5 (SHEET 2/6)
TO CN509 OF LVA10014-1 (SHEET 3/6)
TO CN712 OF LVA10012-6 (SHEET 2/6)
FROM CN651 OF GNH-314-1 (SHEET 2/6)
LOUDNESS
SURROUND ON/OFF
5CH MASTER VOLUME

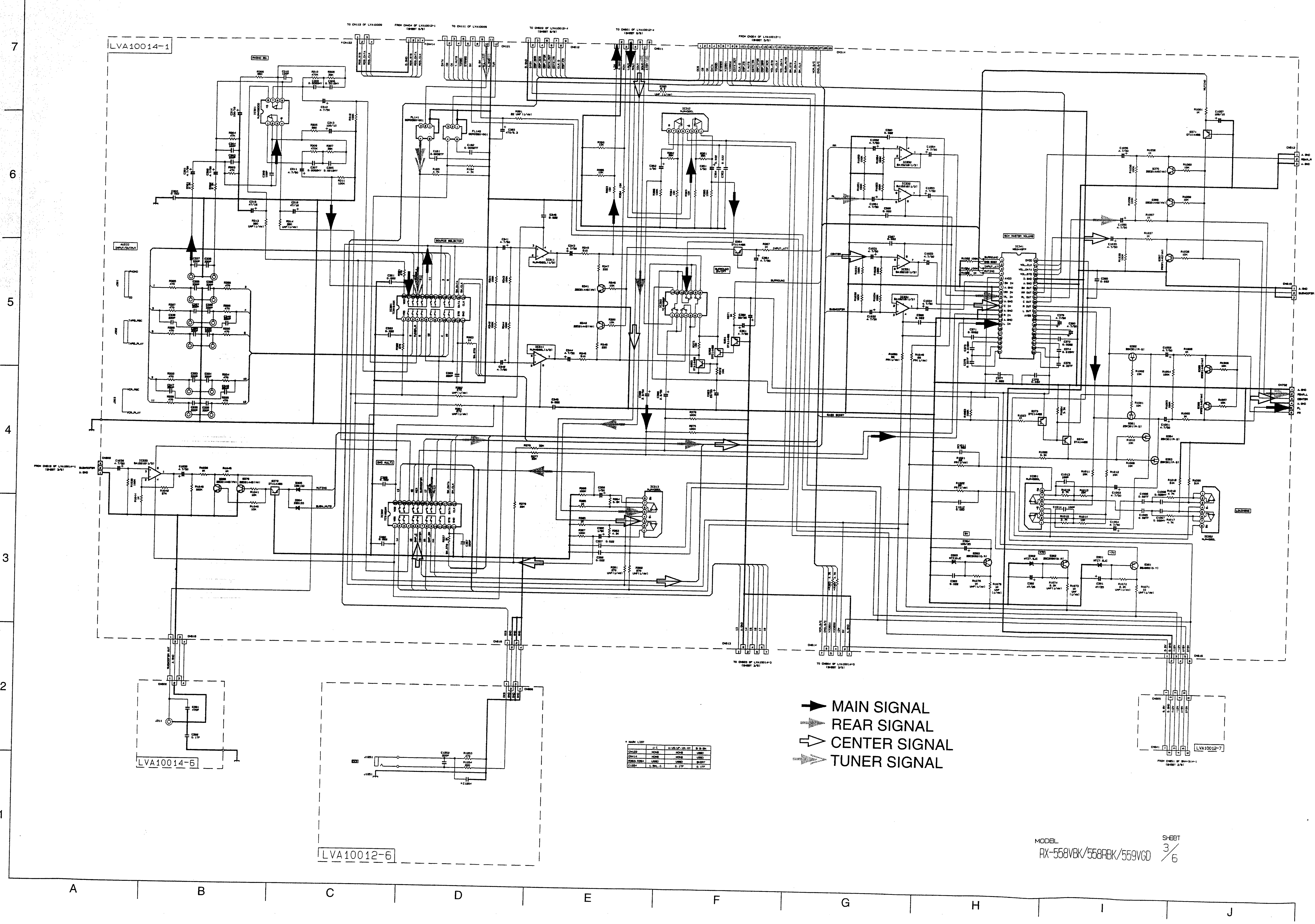
* MARK LIST

	J, C	U, US, UF, UX, UY	E, B, EN
CN122	NONE	NONE	USED
CN414	NONE	NONE	USED
R393, R394	USED	USED	SHORT
C1254	1.5ML.C.	0.1TF	0.1TF

MODEL
RX-558VBK/558RBK/559VGD

SHEET
3/6

■ Audio Signal Input Section


LVA10014-1
LVA10014-6
LVA10012-6
LVA10012-7
AUDIO INPUT/OUTPUT
SOURCE SELECTOR
6CH MASTER VOLUME
PHONO EQ
MAIN SIGNAL
REAR SIGNAL
CENTER SIGNAL
TUNER SIGNAL
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7

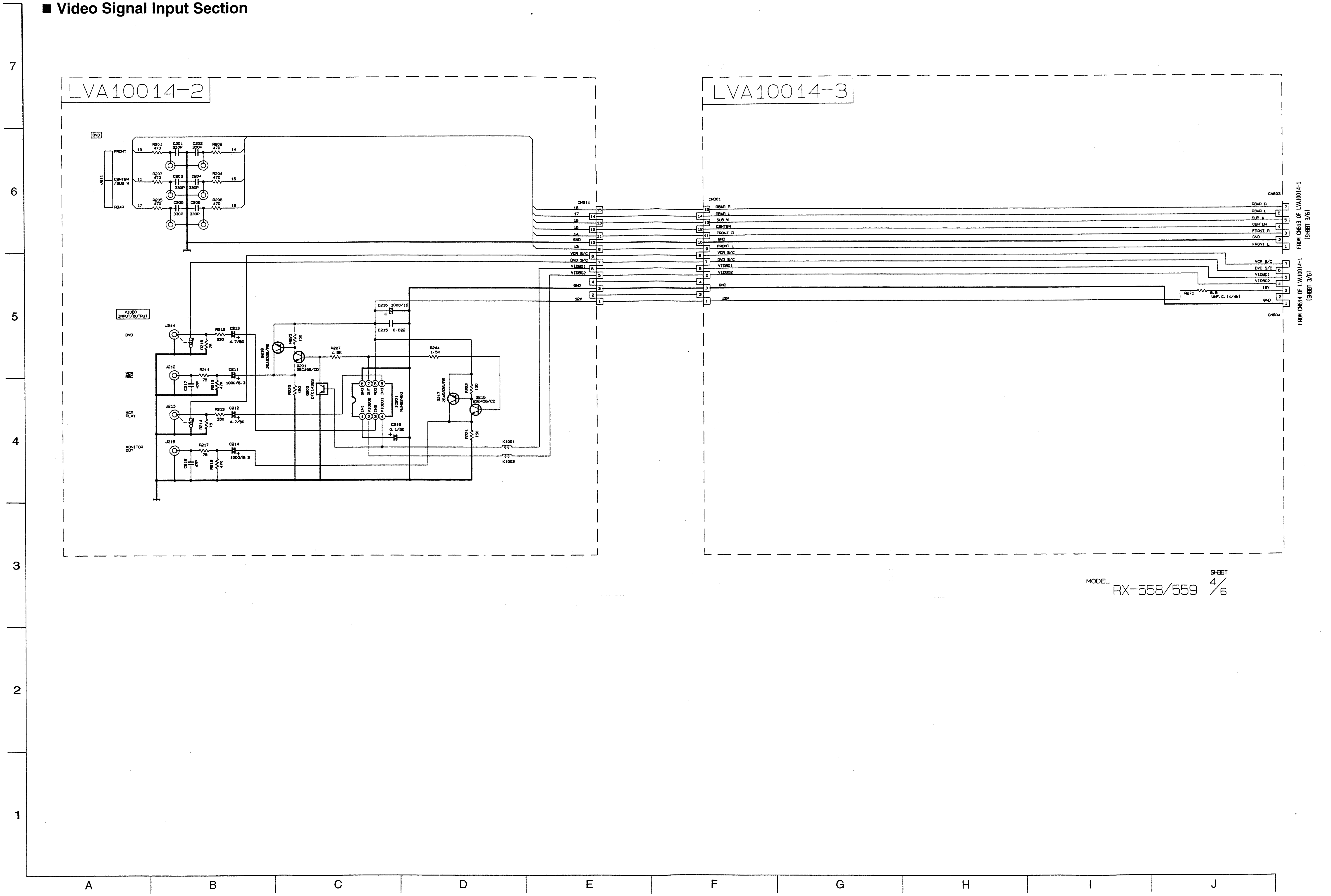
* MARK LIST

	J, C	U, US, UP, UX, UY	B, E, EN
CN122	NONE	NONE	USED
CN414	NONE	NONE	USED
R393, R394	USED	USED	SHORT
C1254	1.5ML.C.	0.1μF	0.1μF

MODEL
RX-558VBK/558RBK/559VGD

SHEET
3/6

■ Video Signal Input Section


7
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A
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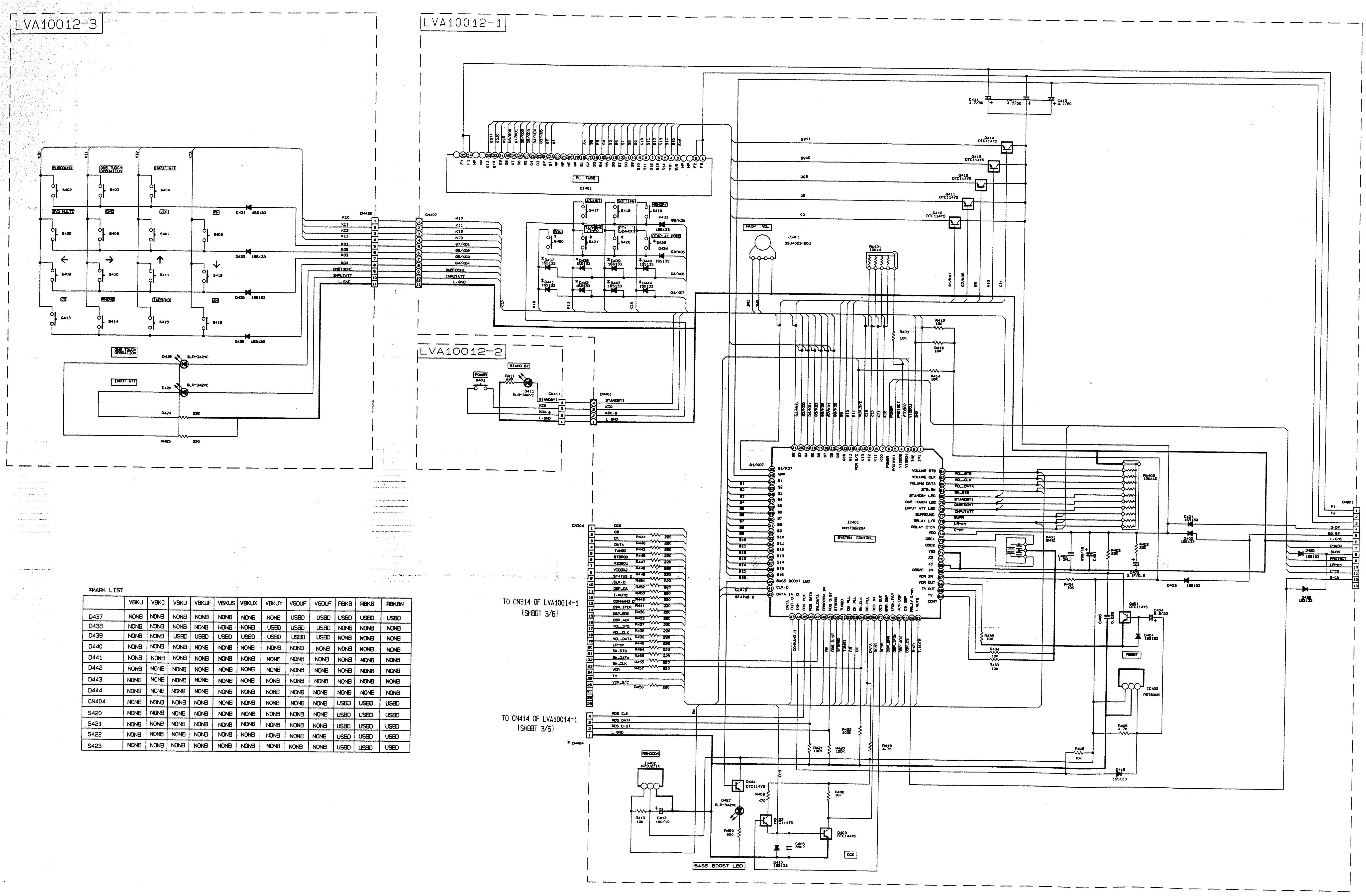
C
D
E
F
G
H
I
J
LVA10014-2
LVA10014-3
DVD
J211
FRONT
CENTER /SUB.W
REAR
R201 470
C201 330P
C202 330P
R202 470
R203 470
C203 330P
C204 330P
R204 470
R205 470
C205 330P
C206 330P
R206 470
13
14
15
16
17
18
CN311
GND
VCR S/C
DVD S/C
VIDEO1
VIDEO2
12V
VIDEO INPUT/OUTPUT
DVD
VCR REC
VCR PLAY
MONITOR OUT
J214
J212
J213
J215
R215 330
R216 75
C213 4.7/50
R211 75
C217 47P
R212 47K
C211 1000/6.3
R213 330
R214 75
C212 4.7/50
R217 75
C218 47P
R218 47K
C214 1000/6.3
C216 1000/16
C215 0.022
Q218 2SA933S/RS
R225 150
Q201 2SC458/CD
R223 150
Q203 DTC143ES
R227 1.5K
R244 1.5K
GND
OUT
VDD
IN3
IN1
VIDEO2
IN2
VIDEO1
IC201 NJM2246D
C219 0.1/50
Q217 2SA933S/RS
R222 150
Q216 2SD458/CD
R221 150
K1001
K1002
CN301
REAR R
REAR L
SUB W
CENTER
FRONT R
FRONT L
CN603
CN604
R271 6.8 UNF.C.(1/4W)
FROM CN613 OF LVA10014-1 (SHEET 3/6)
FROM CN614 OF LVA10014-1 (SHEET 3/6)
MODEL RX-558/559
SHEET 4/6

■ FL Display & System Control Section


LVA10012-3
LVA10012-1
LVA10012-2
SURROUND
ONE TOUCH OPERATION
INPUT ATT
DSP MULTI
VCR
FM
CD
PHONO
TAPE/MD
AM
S402
S403
S404
S405
S406
S407
S408
S409
S410
S411
S412
S413
S414
S415
S416
D431 1SS133
D432 1SS133
D435 1SS133
D436 1SS133
CN412
CN402
KI0
KI1
KI2
KI3
KO1
KO2
KO3
KO4
ONETOCHI
INPUTATT
L.GND
D419 SLR-342VC
D420 SLR-342VC
R424 220
R425 220
POWER
S401
STAND BY
R411 220
D411 SLR-342VC
CN411
CN401
STANDBYI
KI0
KOO.a
L.GND
FL TUBE
D2401
ADJUST
SETTING
MEMORY
TA/NEWS/INFO
PTY SEARCH
DISPLAY MODE
S417
S418
S419
S420
S421
S422
S423
D433
D434
D437 1SS133
D438 1SS133
D439 1SS133
D440 1SS133
D441 1SS133
D442 1SS133
D443 1SS133
D444 1SS133
MAIN VOL
JS401
RA401 10Kx4
Q410 DTC114YS
Q411 DTC114YS
Q412 DTC114YS
Q413 DTC114YS
Q414 DTC114YS
C414 4.7/50
C412 4.7/50
R401 10K
R412 10K
R413 10K
R414 10K
IC401 MN1732225A
SYSTEM CONTROL
CN304
CN404
RA402 10Kx10
X401 8MHZ
R403 22K
R402 330
D401 1SS133
D402 1SS133
D403 1SS133
D425 1SS133
D426 1SS133
CN601
Q401 DTC114YS
C404 2.2/50
D404 1SS133
RESET
IC403 PST600B
R404 10K
R405 4.7K
R416 10K
D415 1SS133
R434 10K
R433 10K
R436
R422 100K
R421 100K
R420 100K
R419 4.7K
REMOCON
IC402 GP1U271X
R410 10K
C413 100/10
Q444 DTC114YS
D427 SLR-342VC
R409 470
R459 220
Q402 DTC114TS
Q403 DTC144WS
C405 330P
D410 1SS133
R408 10K
DCS
BASS BOOST LED
TO CN314 OF LVA10014-1 (SHEET 3/6)
TO CN414 OF LVA10014-1 (SHEET 3/6)
FROM CN611 OF BN314-1 (SHEET 2/6)
1
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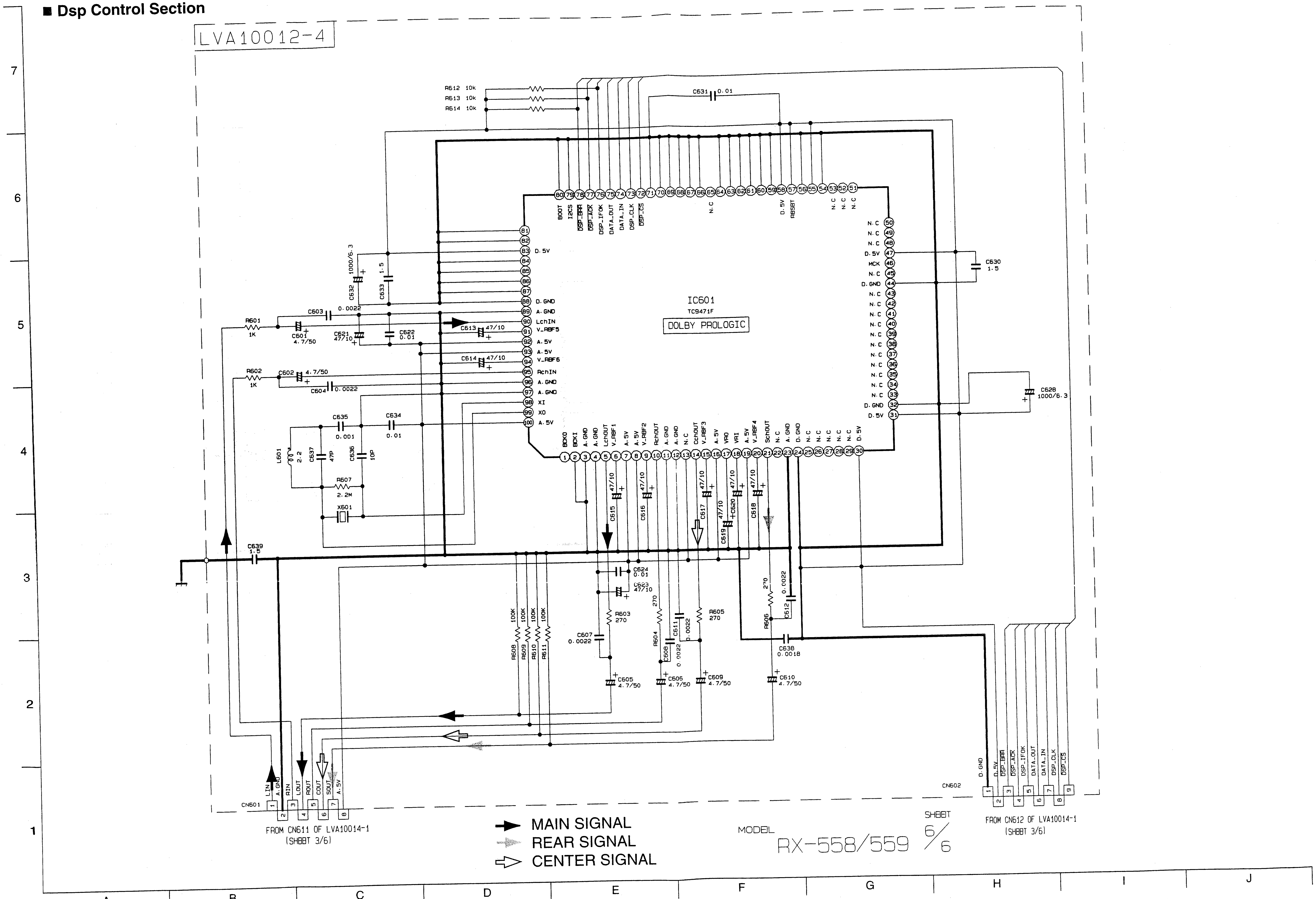
*MARK LIST

	VBKJ	VBKC	VBKU	VBKUF	VBKUS	VBKUX	VBKUY	VGDUF	VGDUF	RBKB	RBKB	RBKBN
D437	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED	USED	USED	USED
D438	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED	USED	NONE	NONE	NONE
D439	NONE	NONE	USED	USED	USED	USED	USED	USED	USED	NONE	NONE	NONE
D440	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
D441	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
D442	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
D443	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
D444	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CN404	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED	USED
S420	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED	USED
S421	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED	USED
S422	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED	USED
S423	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	USED	USED	USED

MODEL
RX-558/559
SHEET
5/6

■ Dsp Control Section


LVA10012-4
IC601
TC9471F
DOLBY PROLOGIC
R612 10k
R613 10k
R614 10k
C631 0.01
BOOT
I2CS
DSP_BRR
DSP_ACK
DSP_IFOK
DATA_OUT
DATA_IN
DSP_CLK
DSP_CS
N.C
D.5V
RBSBT
D.5V
D.GND
A.GND
LchIN
V_RBF5
A.5V
A.5V
V_RBF6
RchIN
A.GND
A.GND
XI
XO
A.5V
N.C
D.5V
MCK
D.GND
BCKO
BCKI
A.GND
A.GND
LchOUT
V_RBF1
A.5V
A.5V
V_RBF2
RchOUT
A.GND
A.GND
N.C
CchOUT
V_RBF3
A.5V
VRO
VRI
A.5V
V_RBF4
SchOUT
N.C
A.GND
D.GND
C630 1.5
C628 1000/6.3
C632 1000/6.3
C633 1.5
C603 0.0022
R601 1K
C601 4.7/50
C621 47/10
C622 0.01
C613 47/10
C614 47/10
R602 1K
C602 4.7/50
C604 0.0022
C635 0.001
C634 0.01
L601 2.2
C637 47P
C636 10P
R607 2.2M
X601
C639 1.5
C615 47/10
C616 47/10
C617 47/10
C619 47/10
C620 47/10
C618 47/10
C624 0.01
C623 47/10
R603 270
R604 270
R605 270
R606 270
C612 0.0022
C611 0.0022
C607 0.0022
C608 0.0022
C638 0.0018
C605 4.7/50
C606 4.7/50
C609 4.7/50
C610 4.7/50
R608 100K
R609 100K
R610 100K
R611 100K
CN601
L.IN
A.GND
RIN
LOUT
ROUT
COUT
SOUT
A.5V
FROM CN611 OF LVA10014-1 (SHEET 3/6)
CN602
D.GND
D.5V
DSP_BRR
DSP_ACK
DSP_IFOK
DATA_OUT
DATA_IN
DSP_CLK
DSP_CS
FROM CN612 OF LVA10014-1 (SHEET 3/6)
MAIN SIGNAL
REAR SIGNAL
CENTER SIGNAL
MODEL
RX-558/559
SHEET 6/6
A
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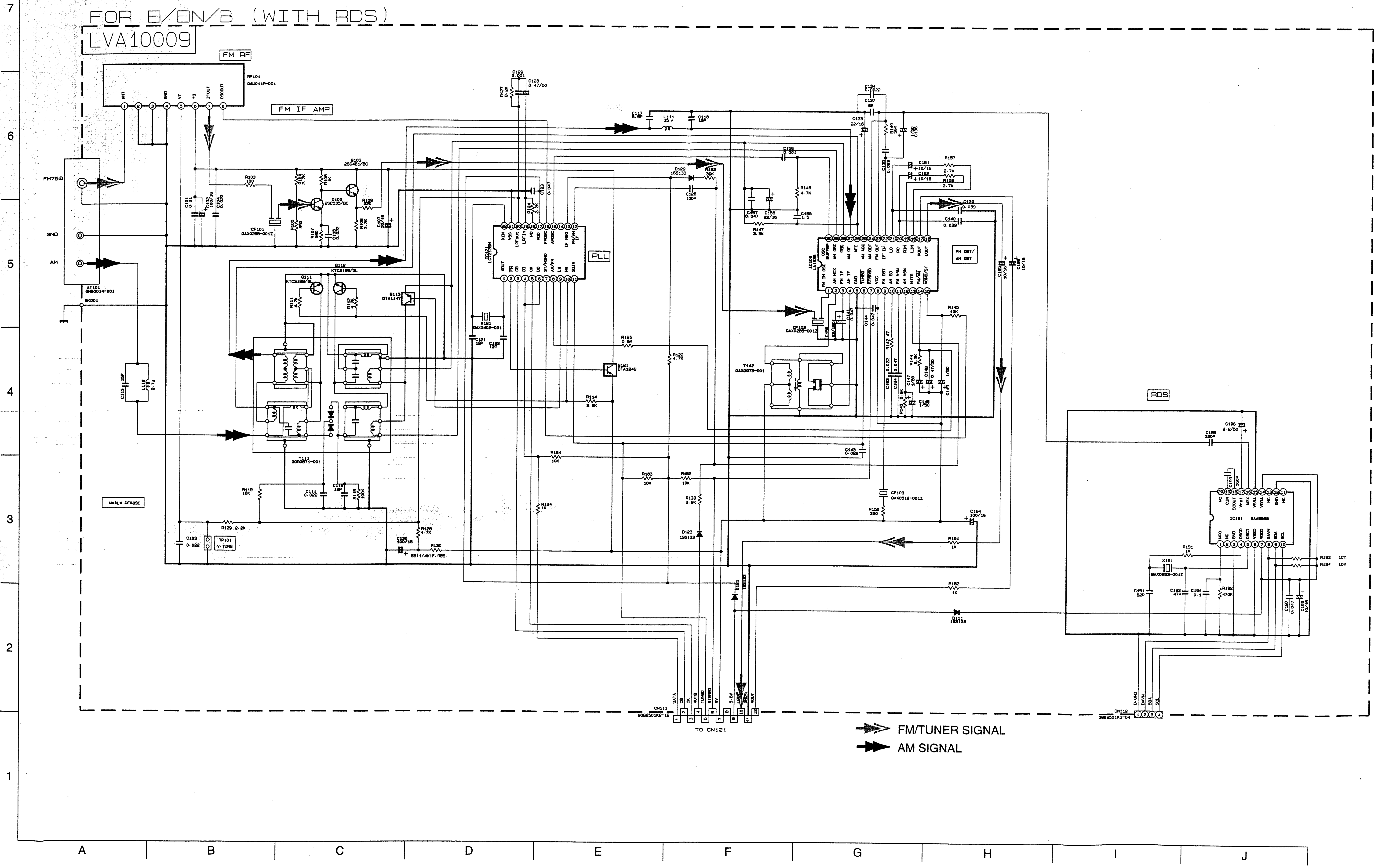
■ Tuner Section


FOR E/EN/B (WITH RDS)
LVA10009
FM RF
RF101 QAU0119-001
FM IF AMP
FM75Ω
GND
AM
AT101
BK001
CF101 QAX0285-001Z
Q103 2SC461/BC
Q102 2SC535/BC
Q111 KTC3198/BL
Q112 KTC3198/BL
Q113 DTA114Y
T111 QQR0871-001
X121 QAX0402-001
IC121 LC72136N
PLL
Q121 DTA124E
D129 1SS133
CF102 QAX0285-001Z
T142 QAX0973-001
IC102 LA1836
FM DET/ AM DET
CF103 QAX0519-001Z
D123 1SS133
D121 1SS133
D131 1SS133
TP101 V.TUNE
MW/LW RF/OSC
RDS
IC191 SAA6588
X191 QAX0263-001Z
CN111 QGB2501K2-12
DATA
CE
CK
MUTE
TUNED
STEREO
9V
5.6V
LOUT
ROUT
TO CN121
CN112 QGB2501K1-04
D.GND
DAVN
SDA
SCL
FM/TUNER SIGNAL
AM SIGNAL
A
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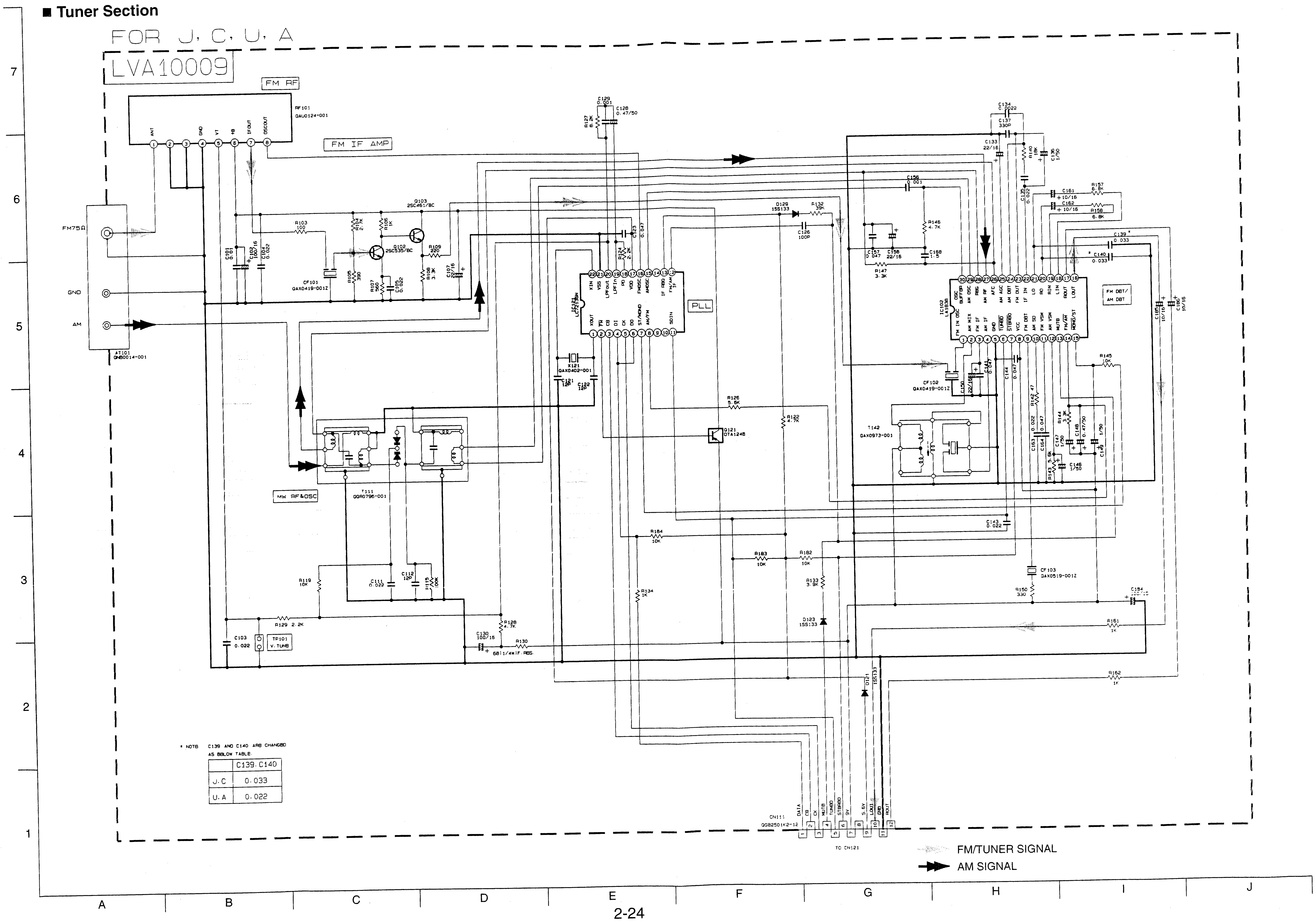
■ Tuner Section


FOR J, C, U, A
LVA10009
FM RF
RF101
QAU0124-001
ANT
GND
VT
+B
IFOUT
OSCOUT
FM IF AMP
FM75Ω
GND
AM
AT101
QNB0014-001
Q103
2SC461/BC
Q102
2SC535/BC
R103 100
R104 2.7K
R106 1K
R105 390
R107 560
R108 3.3K
R109 220
C101 0.01
C102 100/16
C104 0.022
C105 0.022
C107 22/16
CF101
QAX0419-001Z
C129 0.001
C128 0.47/50
R127 8.2K
R124 2.2K
C123 0.047
IC121
LC7218N
PLL
XIN
VSS
LPFout
LPFin
PD
VDD
FMOSC
AMOSC
IF REQ
FM/AM IF
XOUT
CE
DI
CK
DO
ST/MONO
AM/FM
SDIN
X121
QAX0402-001
C121 12P
C122 12P
D129 1SS133
R132 39K
C126 100P
R126 5.6K
R122 4.7K
Q121
DTA124S
T111
QQR0796-001
MW RF&OSC
R119 10K
C111 0.022
C112 12P
R115 100K
R129 2.2K
C103 0.022
TP101
V.TUNE
R128 4.7K
C130 100/16
R130 68Ω 1/4W IF.RBS
R184 10K
R183 10K
R182 10K
R133 3.9K
R134 1K
D123 1SS133
D121 1SS133
C134 0.0022
C137 330P
C133 22/16
R140 18K
C136 1/50
C135 0.022
C156 0.001
R146 4.7K
C157 0.047
C158 22/16
C159 1/50
R147 3.3K
C161 10/16
C162 10/16
R157 6.8K
R158 6.8K
C139 * 0.033
C140 * 0.033
IC102
LA1836
OSC BUFFER
AM OSC
REG
AM RF
AFC
AM AGC
AM DET
FM DET
IF IN
LO
RO
RIN
LIN
ROUT
LOUT
FM IN OSC
AM MIX
FM IF
AM IF
GND
TUNED
STEREO
VCC
FM DET
FM VCO
AM SD
FM VSM
AM VSM
MUTE
FM/AM
MONO/ST
FM DET/
AM DET
C165 10/16
C166 10/16
R145 10K
CF102
QAX0419-001Z
C150 22/16
C141 0.047
C144 0.047
T142
QAX0973-001
R142 47
R144 3.3K
C163 0.022
C164 0.047
C147 1/50
C148 0.47/50
C149 1/50
R143 5.6K
C146 1/50
C143 0.022
CF103
QAX0519-001Z
R150 330
C184
R161 1K
R162 1K
CN111
QGB2501K2-12
DATA
CE
CK
MUTE
TUNED
STEREO
9V
5.6V
LOUT
GND
ROUT
TO CN121
A
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* NOTE C139 AND C140 ARE CHANGED AS BELOW TABLE.

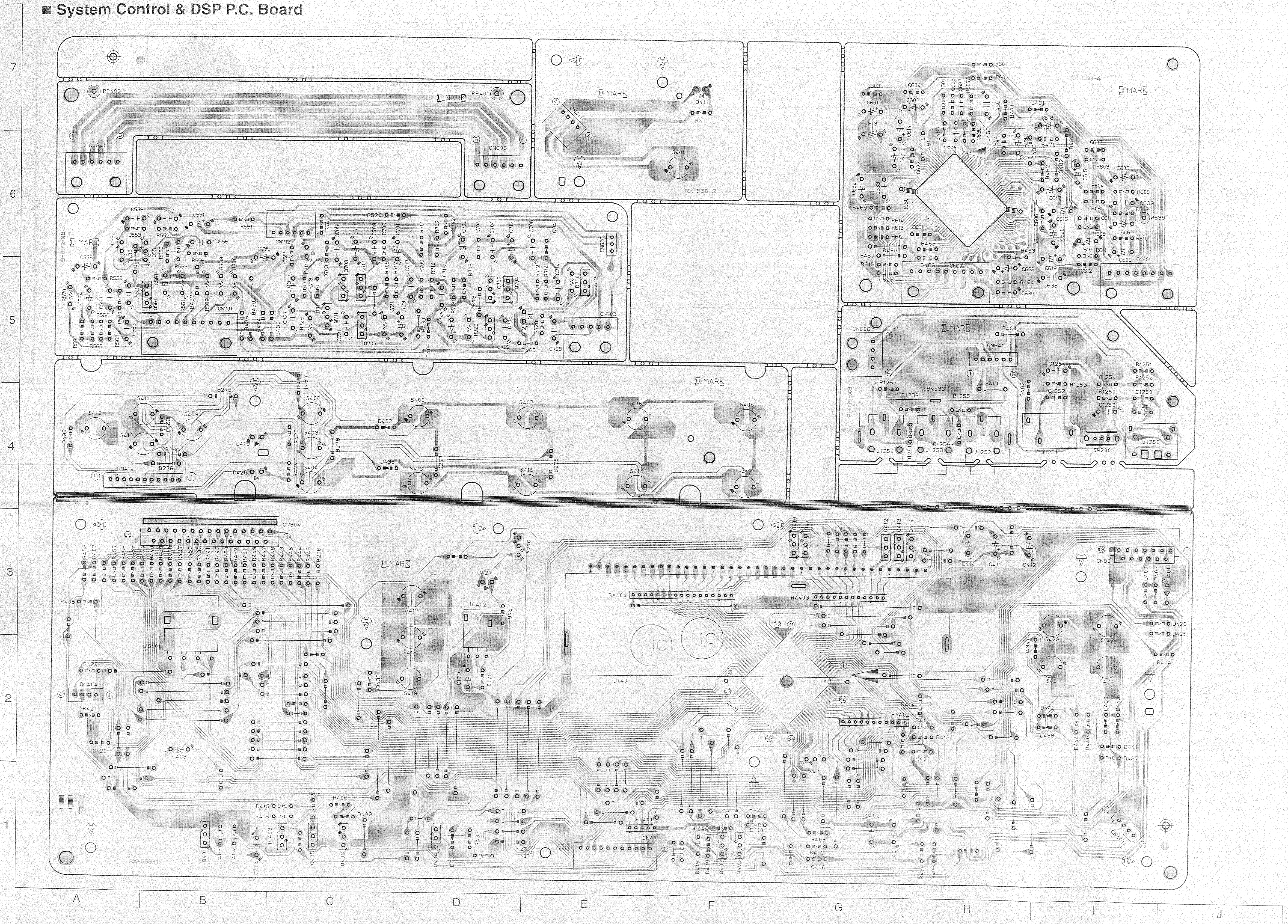
	C139·C140
J.C	0.033
U.A	0.022

FM/TUNER SIGNAL

AM SIGNAL

Printed Circuit Boards

■ System Control & DSP P.C. Board


7
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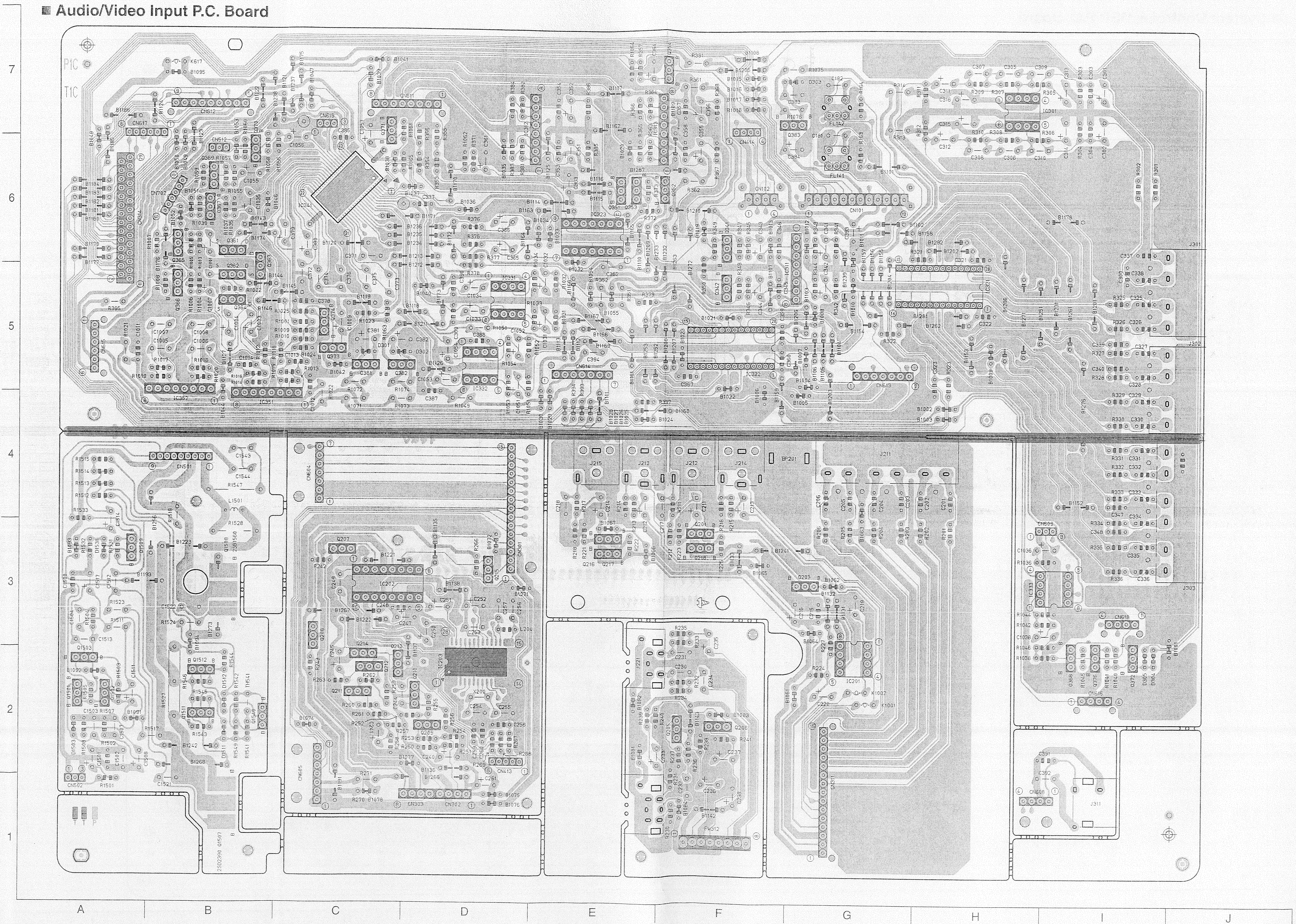
J
RX-558-7
RX-558-2
RX-558-4
RX-558-5
RX-558-6
RX-558-3
RX-558-1
CN841
CN605
CN411
S401
CN601
CN606
CN641
CN701
CN703
CN712
CN412
CN304
CN601
CN404
CN402
CN401
J1254
J1253
J1252
J1251
J1250
SW200
DI401
IC401
IC402
JS401
P1C
T1C
ULMARK

Audio/Video Input P.C. Board


7
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G
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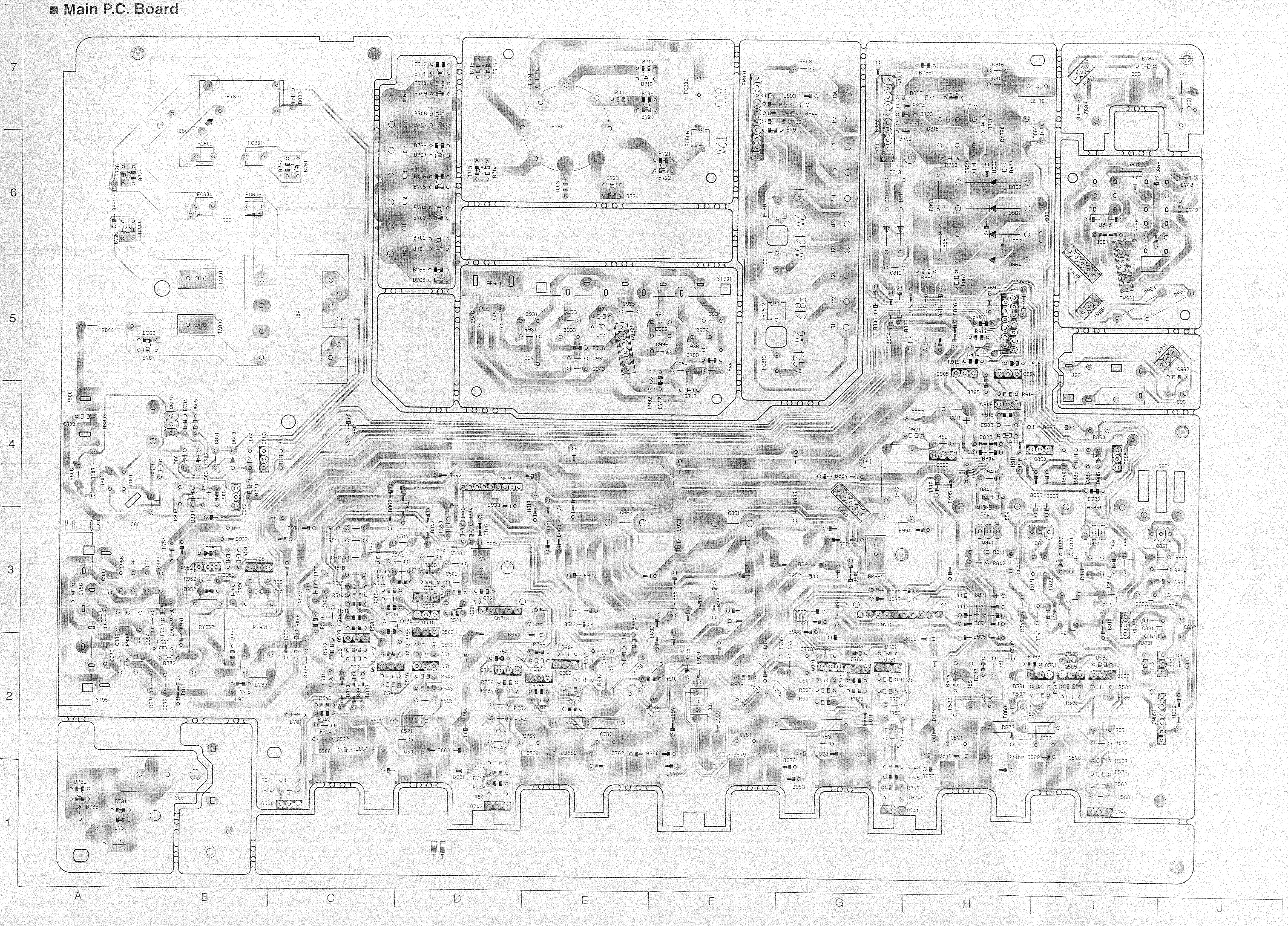
I
J
J301
J302
J303
J211
J311

■ Main P.C. Board


7
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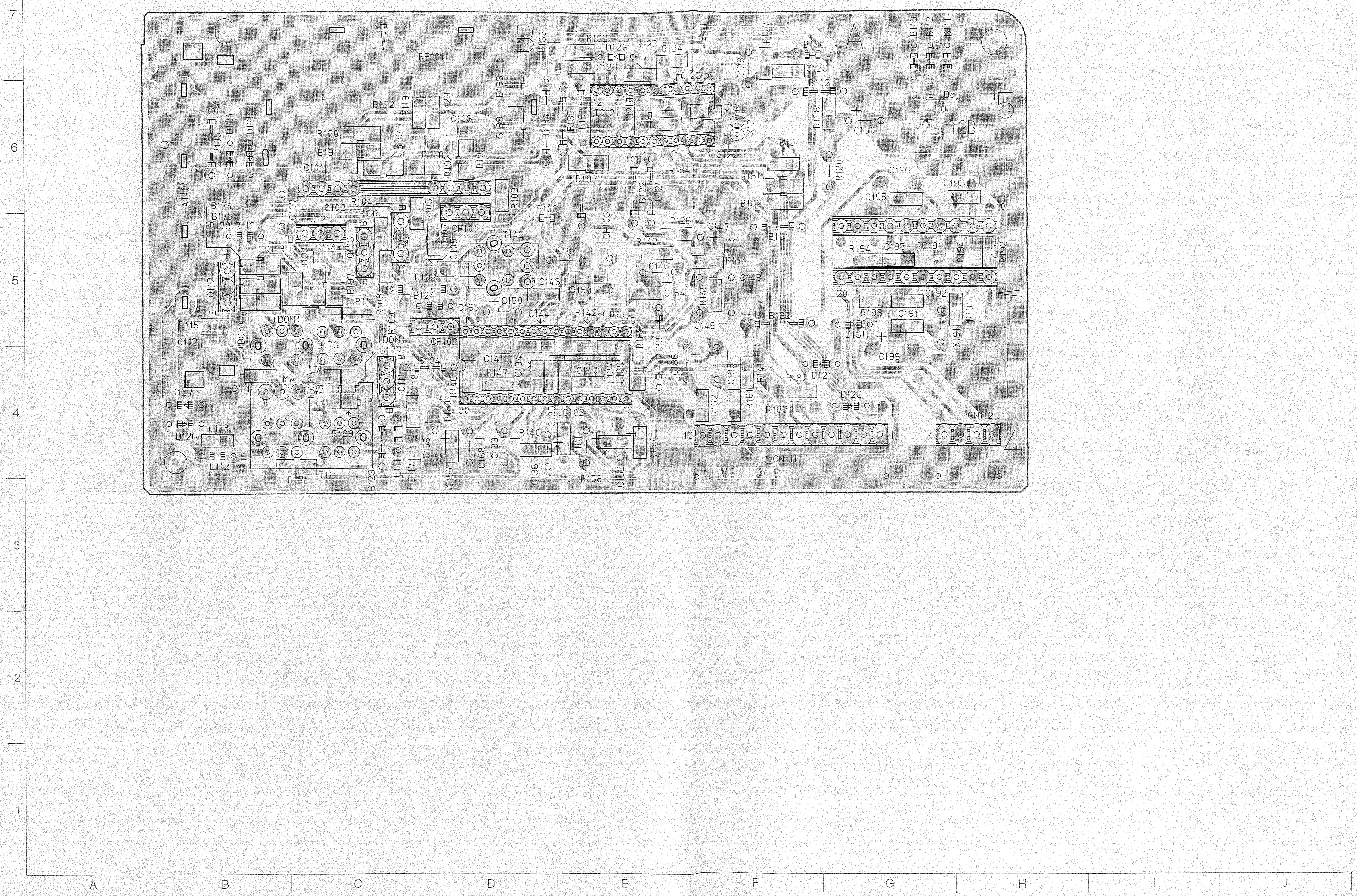
A
B
C
D
E
F
G
H
I
J
F803
T2A
F811 2A-125V
F812 2A-125V
RY801
VS801
T801
RY852
RY951
CN511
CN711
CN713
BP110
BP500
BP901
ST901
ST951
H5851
P05T05

Tuner P.C. Board


7
6
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1
A
B
C
D
E
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G
H
I
J
C
B
A
RF101
AT101
B105
D124
D125
B174
B175
B178
R112
C107
Q102
Q121
R104
R106
Q113
R114
B198
Q112
Q103
R105
R107
CF101
C105
B196
B197
R111
R108
R115
C112
(DOM)
B176
R109
B177
B124
C165
CF102
D127
C111
MW
B173
Q111
C118
B104
R146
B180
D126
C113
B199
L112
B171
T111
B123
L111
C117
C157
C158
C168
C133
R140
C136
C135
IC102
C161
R158
C162
R157
B172
R119
R129
C103
B190
B191
B194
B192
B195
C101
B193
B189
B134
B135
B151
R133
R103
B103
T142
C184
C143
C150
C144
R150
CF103
R142
C163
C141
R147
C134
C140
C137
C139
B188
B133
C186
R132
D129
R122
R124
C126
C123
IC121
B186
B187
R184
C121
X121
C122
B122
B121
R126
C147
R143
C146
R144
C148
C164
R145
C149
B132
C185
R141
R162
R161
R183
R182
D121
D123
CN111
LVB10009
R127
B106
C128
C129
B102
R128
C130
R134
B181
B182
R130
B131
B113
B112
B111
U
B
Do
P2B
T2B
C196
C193
C195
R194
C197
IC191
C194
R192
C192
R193
C191
R191
X191
D131
C199
CN112
1
4
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12
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16
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PARTS LIST

RX-558VBK
RX-558RBK

* All printed circuit boards and its assemblies are not available as service parts.

Areas Suffix

RX-558VBK

J ---------------------- The U.S.A.
C ------------------------- Canada
U ----------------------- Universal
UY --------------------- Argentina

RX-558RBK

E ----------- Continental Europe
EN ------------ Northern Europe
B ----------------------------- U.K.

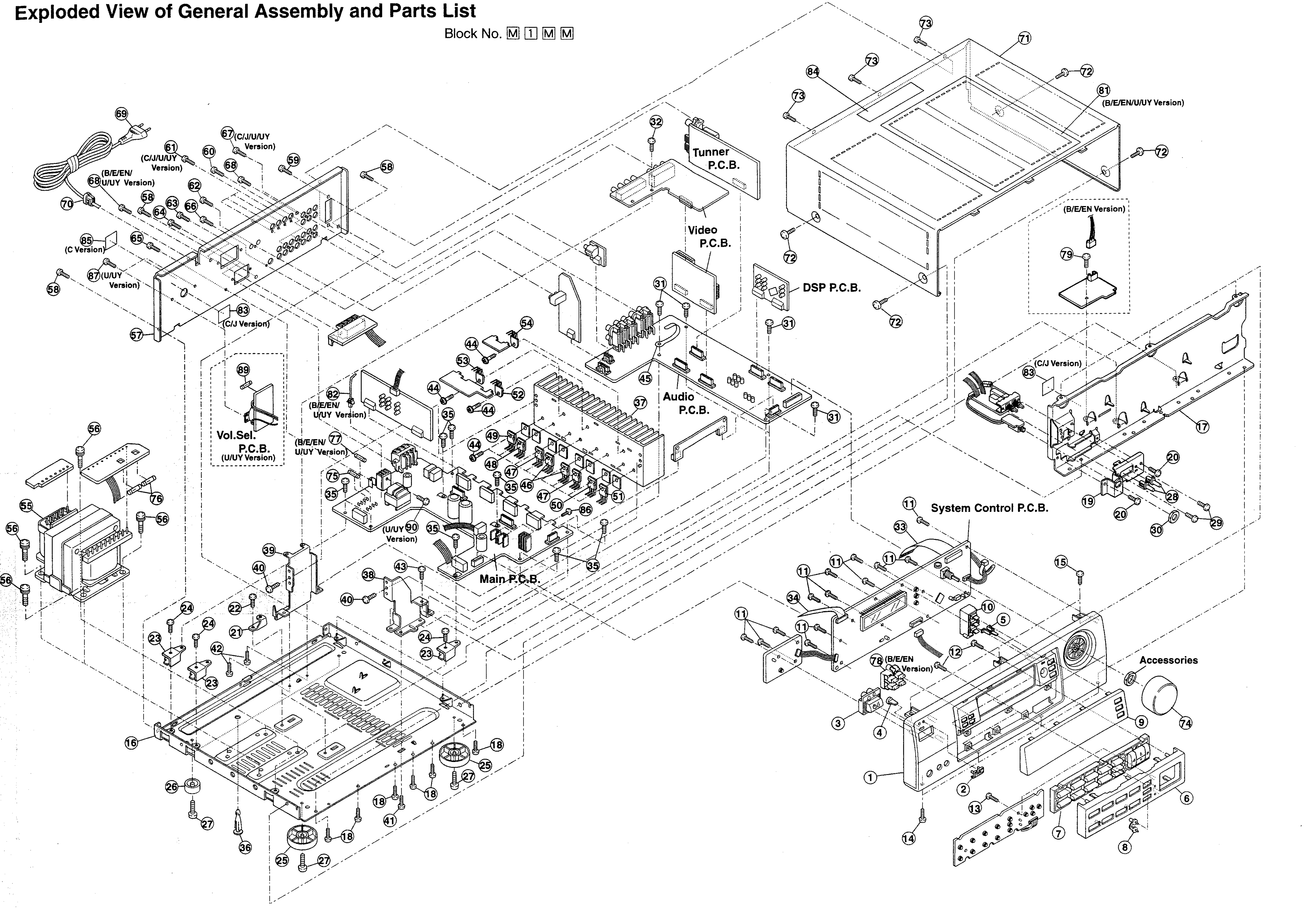
- Contents -

Exploded View of General Assembly and Parts List ---------------------------------- 3-3
Electrical Parts List -- 3-5
Packing Materials and Accessories Parts List -- 3-18

MEMO

Exploded View of General Assembly and Parts List

Block No. M 1 M M


73
71
73
72
84
81
(B/E/EN/U/UY Version)
73
72
72
72
Tunner
P.C.B.
32
Video
P.C.B.
DSP P.C.B.
31
31
(B/E/EN Version)
79
69
67 (C/J/U/UY Version)
61 (C/J/U/UY Version)
60
68
59
58
68 (B/E/EN/ U/UY Version)
62
70
58
63
64
66
85 (C Version)
65
87 (U/UY Version)
58
83 (C/J Version)
57
54
44
53
52
44
44
45
Audio
P.C.B.
37
31
83 (C/J Version)
17
89
Vol.Sel.
P.C.B.
(U/UY Version)
82 (B/E/EN/ U/UY Version)
35
77 (B/E/EN/ U/UY Version)
44
49
48
47
46
35
47
50
51
86
75
35
20
28
19
20
30
29
11
System Control P.C.B.
33
56
55
76
56
56
56
(U/UY 90 Version)
35
35
Main P.C.B.
15
11
11
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23
42
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23
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11
12
78 (B/E/EN Version)
Accessories
3
4
9
74
16
18
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27
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■ Parts List (General Assembly)

BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	LV10128-017A	FRONT PANEL	RX-558RBK	1	B,E,EN	
		LV10128-016A	FRONT PANEL	RX-558VBK	1	U,UY	
		LV10128-015A	FRONT PANEL	RX-558VBK	1	C,J	
	2	VJD5429-001SS	JVC MARK		1		
	3	LV30684-001A	POWER BUTTON		1	C,J	
		LV30684-002A	POWER BUTTON		1	B,E,EN,U,UY	
	4	FSJD4001-002	INDICATOR	POWER	1		
	5	LV40767-001A	INDICATOR	BASS BOOST	1		
	6	LV20228-003A	FRONT ESC.		1		
	7	LV20227-001A	PUSH BUTTON	SOURCE	1		
	8	LV40604-001A	INDICATOR		1		
	9	LV20229-004A	LENS	RX-558VBK	1	C,J,U,UY	
		LV20229-005A	LENS	RX-558RBK	1	B,E,EN	
	10	LV30685-001A	PUSH BUTTON	SEA	1		
	11	QYSDSF2608Z	SCREW	F.C.B-F.PANEL	13		
	12	QYSDSF2608Z	SCREW	F.ESC.-F.PANEL	6		
	13	QYSDSF2608Z	SCREW	C.B-F.ESC.	1		
	14	QYSDSG3008M	SCREW	F.P-F.B(LOW)	4		
	15	QYSBSG3008E	T.SCREW	F.P-F.B(UP)	3		
	16	LE10081-004A	CHASSIS BASE		1		
	17	LV20230-001A	FRONT BKT		1		
	18	QYSBSG3008E	T.SCREW	C.B-F.B	6		
	19	LV30687-001A	BRACKET		1		
	20	QYSBSG3008E	T.SCREW	BKT-F.B	2		
	21	E68587-223SM	CB BKT		2		
	22	QYSBST3006E	TAP.SCREW	C.B-BKT	2		
	23	LE40138-001A	BRACKET		3		
	24	QYSBSG3008E	T.SCREW	BKT-C.B	3		
	25	QZF6018-001	FOOT		2		
	26	QZF6018-001	FOOT		2	B,E,EN,U,UY	
		E47227-036	FOOT		2	C,J	
	27	QYSBST3010Z	TH TAP SCREW	FOOT	4		
	28	E407321-002SM	PUSH BUTTON	SPK	2		
	29	QYSBST3006E	TAP.SCREW	SPK SW C.B	2		
	30	VKZ4150-001	SPECIAL NUT		1		
	31	QYSBSG3008E	T.SCREW	PRI.C.B-FRAME	4		
	32	QYSBSG3008E	T.SCREW		1		
	33	QUQ412-2918CJ	FLAT WIRE ASSY	FW304	1		
	34	QUQ412-1316CJ	FFC CABLE	FW811	1		
	35	QYSBSG3008E	T.SCREW		8		
	36	LV30384-001A	FASTENER	M.C.B	1		
	37	LV30351-001A	HEAT SINK		1		
	38	E310171-001SM	H.S BKT	FRONT SIDE	1		
	39	E310172-001SM	H.S BKT	REAR SIDE	1		
	40	QYSBSG3008E	T.SCREW	H.S BKT-H.S	2		
	41	QYSDSG3008M	SCREW	H.BKT(F)-C.BASE	1		
	42	QYSDSG3008M	SCREW	H.BKT(R)-C.BASE	2		
	43	QYSBSG3008E	T.SCREW	H.BKT(F)-F.BKT	1		
	44	E73525-003SS	SCREW	P.TR	11		
	45	VKZ4001-111S	WIRE CLAMP		1		
⚠	46	2SD2390LD/OPY/	TRANSISTOR	Q761,Q762	2	C,J,U,UY	
⚠		2SD2389LD/OPY/	TRANSISTOR	Q761,Q762	2	B,E,EN	
⚠	47	2SB1559LD/OPY/	TRANSISTOR	Q763,Q764	2	B,E,EN	
⚠		2SB1560LD/OPY/	TRANSISTOR	Q763,Q764	2	C,J,U,UY	
⚠	48	2SD2390LD/OPY/	TRANSISTOR	Q507	1	C,J,U,UY	
⚠		2SD2389LD/OPY/	TRANSISTOR	Q507	1	B,E,EN	
⚠	49	2SB1559LD/OPY/	TRANSISTOR	Q508	1	B,E,EN	
⚠		2SB1560LD/OPY/	TRANSISTOR	Q508	1	C,J,U,UY	
⚠	50	2SD2390LD/OPY/	TRANSISTOR	Q575	1	C,J,U,UY	
⚠		2SD2389LD/OPY/	TRANSISTOR	Q575	1	B,E,EN	

BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
⚠	51	2SB1559LD/OPY/	TRANSISTOR	Q576	1	B,E,EN	
⚠		2SB1560LD/OPY/	TRANSISTOR	Q576	1	C,J,U,UY	
⚠	52	2SD2390LD/OPY/	TRANSISTOR	Q1507	1	C,J,U,UY	
⚠		2SD2389LD/OPY/	TRANSISTOR	Q1507	1	B,E,EN	
⚠	53	2SB1560LD/OPY/	TRANSISTOR	Q1508	1	C,J,U,UY	
⚠		2SB1559LD/OPY/	TRANSISTOR	Q1508	1	B,E,EN	
⚠	54	2SC4466LD/OPY/	TRANSISTOR	Q831	1		
⚠	55	QQT0240-001	POWER TRANSF.		1	B,E,EN	
⚠		QQT0187-001	POWER TRANSF.		1	C,J	
⚠		QQT0239-001	POWER TRANSF.		1	U,UY	
	56	QYSDSTL4008E	SPECIAL SCREW	POWER TRANSF.	4		
	57	LE20127-032A	REAR PANEL	RX-558VBK	1	C,J	
		LE20127-035A	REAR PANEL	RX-558RBK	1	B,E,EN	
		LE20127-033A	REAR PANEL	RX-558VBK	1	U,UY	
	58	QYSBSGY3008M	SPECIAL SCREW	R.P-C.BASE	3		
	59	QYSBSGY3008M	SPECIAL SCREW	TUNER	2		
	60	QYSBSGY3008M	SPECIAL SCREW	INPUT	3		
	61	QYSBSGY3008M	SPECIAL SCREW	VIDEO	4	C,J,U,UY	
	62	QYSBSGY3008M	SPECIAL SCREW	DCS	1		
	63	QYSBSGY3008M	SPECIAL SCREW	F.SPK	2		
	64	QYSBSGY3008M	SPECIAL SCREW	SURROUND	2		
	65	QYSBSGY3008M	SPECIAL SCREW	MAIN C.B	1		
	66	QYSBSGY3008M	SPECIAL SCREW	SUB.WOOF	1		
	67	QYSBSGY3008M	SPECIAL SCREW		1	C,J,U,UY	
	68	QYSBSGY3008M	SPECIAL SCREW		1	C,J	
		QYSBSGY3008M	SPECIAL SCREW		2	U,UY,B,E,EN	
⚠	69	QMPD220-200-JD	POWER CORD		1	C,J	
⚠		QMP5530-0085LBS	POWER CORD		1	B	
⚠		QMP3900-200L	POWER CORD		1	E,EN,U	
⚠		QMPR160-200-JC	POWER CORD		1	UY	
⚠	70	QHS3771-108	CORD STOPPER		1		
	71	LE20131-002A/S/	METAL COVER		1	B,E,EN,U,UY	
		LE20131-001A/S/	METAL COVER		1	C,J	
	72	E406308-003	SPECIAL SCREW	M.COVER-FRAME	4		
	73	QYSBSGY3008M	SPECIAL SCREW	M.COVER-R.PANEL	3		
	74	LV30480-001A	VOL KNOB ASS'Y		1		
⚠	75	QMF51U1-6R3-J1	FUSE	F801	1	C,J	
⚠		QMF51E2-6R3-J1	FUSE	F801	1	U,UY	
⚠		QMF51E2-1R6-J1	FUSE	F801	1	B,E,EN	
⚠	76	QMF51E2-2R0-J1	FUSE	F811,F812	2	B,E,EN,U,UY	
⚠		QMF51U1-2R0-J1	FUSE	F811,F812	2	C,J	
⚠	77	QMF51E2-R10-J1	FUSE	F802	1	B,E,EN,U,UY	
	78	LV30686-001A	PUSH BUTTON	RDS	1	B,E,EN	
	79	QYSBSG3008E	T.SCREW	SUB CB	1	B,E,EN	
	81	E208294-001SM	PROTECT SHEET		1	B,E,EN,U,UY	
	82	E307572-001	FASTENER		1	B,E,EN,U,UY	
	83	E65507-001	CAUTION LABEL		2	C	
		E67199-001	CAUTION LABEL		2	J	
	84	E409394-001	CAUTION LABEL		1	J	
		E409396-001	CAUTION LABEL		1	B,E,EN	
		E409396-001	CAUTION LABEL		1	C,U,UY	
	85	E408632-002	RATING LABEL		1	C	
	86	QYSBSG3008E	T.SCREW		3		
	87	QYSBSGY3008M	SPECIAL SCREW	VOL.SEL	2	U,UY	
⚠	89	QMF51E2-3R15-J1	FUSE	F803	1	U,UY	
	90	QYSBSG3008E	T.SCREW		1	U,UY	

Electrical Parts List

■ System Control & D.S.P. P.C.B.

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 401	QEKC1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 402	QCZ0202-155Z	ML C CAPACITOR	1.5MF	
	C 403	QEZ0329-10AZ	E CAPACITOR	PF	
	C 404	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 405	QDVB1EZ-223Y	C CAPACITOR		
	C 406	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 411	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 412	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 413	QEKC1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 414	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 551	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 552	QCS11HJ-271	C CAPACITOR	270PF 5% 50V	
	C 553	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	C,J,U,UY
	C 553	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN
	C 556	QCB31HK-152Z	C CAPACITOR	1500PF 10% 50V	
	C 557	QCS11HJ-220	C CAPACITOR	22PF 5% 50V	
	C 558	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	C 561	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 562	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C 563	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 564	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 601	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 602	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 603	QDXB1CM-222Y	C CAPACITOR		
	C 604	QDXB1CM-222Y	C CAPACITOR		
	C 605	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 606	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 607	QDXB1CM-222Y	C CAPACITOR		
	C 608	QDXB1CM-222Y	C CAPACITOR		
	C 609	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 610	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 611	QDXB1CM-222Y	C CAPACITOR		
	C 612	QDXB1CM-222Y	C CAPACITOR		
	C 613	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 614	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 615	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 616	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 617	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 618	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 619	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 620	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 621	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 622	QDYB1CM-103Y	C CAPACITOR		
	C 623	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 624	QDYB1CM-103Y	C CAPACITOR		
	C 628	QETN0JM-108Z	E CAPACITOR	1000MF 20% 6.3V	
	C 630	QCZ0202-155Z	ML C CAPCITOR	1.5MF	
	C 631	QDYB1CM-103Y	C CAPACITOR		
	C 632	QETN0JM-108Z	E CAPACITOR	1000MF 20% 6.3V	
	C 633	QCZ0202-155Z	ML C CAPCITOR	1.5MF	
	C 634	QDYB1CM-103Y	C CAPACITOR		
	C 635	QDGB1HK-102Y	C CAPACITOR		
	C 636	QCS11HJ-100	C CAPACITOR	10PF 5% 50V	
	C 637	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	
	C 638	QCB31HK-182Z	C CAPACITOR	1800PF 10% 50V	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 639	QCZ0202-155Z	ML C CAPCITOR	1.5MF	
	C 701	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 702	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 703	QCS11HJ-271	C CAPACITOR	270PF 5% 50V	
	C 704	QCS11HJ-271	C CAPACITOR	270PF 5% 50V	
	C 705	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 706	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 711	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C 712	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C 713	QCS11HJ-220	C CAPACITOR	22PF 5% 50V	
	C 714	QCS11HJ-220	C CAPACITOR	22PF 5% 50V	
	C 717	QCB31HK-152Z	C CAPACITOR	1500PF 10% 50V	
	C 718	QCB31HK-152Z	C CAPACITOR	1500PF 10% 50V	
	C 721	QCS32HJ-220Z	C CAPACITOR	22PF 5% 500V	
	C 722	QCS32HJ-220Z	C CAPACITOR	22PF 5% 500V	
	C 723	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 724	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 727	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 728	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 739	QETN1JM-107Z	E CAPACITOR	100MF 20% 63V	
	C 750	QETN1HM-227Z	E CAPACITOR	220MF 20% 50V	B,E,EN
	C 751	QETN1JM-227Z	E CAPACITOR	220MF 20% 63V	B,E,EN
	C 752	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	B,E,EN
	C 753	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	B,E,EN
	CN304	QGF1210G1-29	FFC/FPC CONNE		
	CN401	QJB002-041004	SIN ID C-B WIRE		
	CN402	QGA2001F1-11	11P CN RIG		
	CN404	QJB001-043004	SOCKET WIRE ASS		B,E,EN
	CN411	QGA2001F1-04	4P PLUG ASSY		
	CN412	QJB002-111004	SKT.WIRE ASSY		
	CN601	QGB2510K1-08	CONNECTOR		
	CN602	QGB2510K1-09	CONNECTOR		
	CN605	QGB2510K1-06	CONNECTOR		
	CN606	QGB2510K1-04	CONNECTOR		
	CN701	QGB2510K1-10	CONNECTOR		
	CN703	QGB2510K1-05	CONNECTOR		
	CN712	QGA2001F1-06	6P PLUG ASSY		
	CN801	QGF1205F1-13	CONNECTOR		
	CN812	QGA2501C1-03	3P CONNECTOR		B,E,EN
	CN841	QGB2510K1-06	CONNECTOR		
	C1252	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1254	QCZ0202-155Z	ML C CAPACITOR	1.5MF	C,J
	C1254	QFVJ1HJ-104Z	TF CAPACITOR	.10MF 5% 50V	B,E,EN,U,UY
	D 401	1SR139-200-T4	DIODE		
	D 402	1SS133-T2	DIODE		
	D 403	1SS133-T2	DIODE		
	D 404	1SS133-T2	DIODE		
	D 410	1SS133-T2	DIODE		
	D 411	SLR-342VC-T	LED	(STAND-BY)	
	D 415	1SS133-T2	DIODE		
	D 419	SLR-342VC-T	LED	ONE TOUCH	
	D 420	SLR-342VC-T	LED	INPUT ATT	
	D 425	1SS133-T2	DIODE		
	D 426	1SS133-T2	DIODE		
	D 427	SLR-342VC-T	LED		

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 431	1SS133-T2	DIODE		
	D 432	1SS133-T2	DIODE		
	D 433	1SS133-T2	DIODE		
	D 434	1SS133-T2	DIODE		B,E,EN
	D 435	1SS133-T2	DIODE		
	D 436	1SS133-T2	DIODE		
	D 437	1SS133-T2	DIODE		B,E,EN
	D 438	1SS133-T2	DIODE		UY
	D 439	1SS133-T2	DIODE		U,UY
	D 553	1SS133-T2	DIODE		
	D 703	1SS133-T2	DIODE		
	D 704	1SS133-T2	DIODE		
	D 711	SLR-342MC-T	LED		
	D 712	SLR-342MC-T	LED		
	D 750	1SR139-200-T4	DIODE		B,E,EN
	D 751	1SR139-200-T4	DIODE		B,E,EN
	D 752	1SR139-200-T4	DIODE		B,E,EN
	D 753	MTZ24C-T2	ZENER		B,E,EN
	DI401	QLF0002-001	FL		
	FH001	E309106-001SM	FL HOLDER		
	FS001	E3400-444	FELT SPACER		
	FS002	E3400-444	FELT SPACER		
	HL401	VYH7653-001	IC HOLDER		
	HL601	VYH7237-002	IC HOLDER		
	IC401	MN173222BA	IC		
	IC402	GP1U281X	IR DETECT UNIT		
	IC403	IC-PST600/E/-T	IC		
	IC601	TC9471F	IC		
	JS401	QSW0502-001	PUSH SWITCH		
	J1251	QNS0083-001	3.5 JACK		
	L 601	QQL121M-2R2Y	INDUCTOR		
	Q 401	DTC114YSA-T	D.TRANSISTOR		
	Q 402	DTC114TSA-T	D.TRANSISTOR		
	Q 403	DTC144WSA-T	D.TRANSISTOR		
	Q 410	DTC114YSA-T	D.TRANSISTOR		
	Q 411	DTC114YSA-T	D.TRANSISTOR		
	Q 412	DTC114YSA-T	D.TRANSISTOR		
	Q 413	DTC114YSA-T	D.TRANSISTOR		
	Q 414	DTC114YSA-T	D.TRANSISTOR		
	Q 444	DTC114YSA-T	D.TRANSISTOR		
	Q 551	2SC2240/L/-T	TRANSISTOR		
	Q 552	2SC2240/L/-T	TRANSISTOR		
	Q 561	2SA1038S/SE/-T	TRANSISTOR		
	Q 701	2SC2240/L/-T	TRANSISTOR		
	Q 702	2SC2240/L/-T	TRANSISTOR		
	Q 703	2SC2240/L/-T	TRANSISTOR		
	Q 704	2SC2240/L/-T	TRANSISTOR		
	Q 707	2SA1038S/SE/-T	TRANSISTOR		
	Q 708	2SA1038S/SE/-T	TRANSISTOR		
	Q 711	2SC2389S/SE/-T	TRANSISTOR		
	Q 712	2SC2389S/SE/-T	TRANSISTOR		
	Q 750	2SB1357/EF/-T	TRANSISTOR		B,E,EN
	R 401	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 402	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 403	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 404	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 405	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 408	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 409	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 410	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 411	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 412	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 413	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 414	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 416	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 419	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 420	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	C,J,U,UY
	R 421	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	C,J,U,UY
	R 422	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 424	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 425	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 434	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 435	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 436	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 437	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 438	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 439	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 440	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 441	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 442	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 443	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 444	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 445	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 446	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 447	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 448	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 449	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 450	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 451	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 452	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 453	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 454	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R 455	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 456	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 457	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 458	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 469	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 551	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 552	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 553	QRE141J-302Y	C RESISTOR	3.0K 5% 1/4W	
	R 555	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 556	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 558	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 560	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 561	QRJ146J-331X	C RESISTOR	330 5% 1/4W	
	R 563	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 564	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 565	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 566	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
⚠	R 569	QRJ146J-100X	C RESISTOR	10 5% 1/4W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
⚠	R 570	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
	R 601	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 602	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 603	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 604	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 605	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 606	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 607	QRE141J-225Y	C RESISTOR	2.2M 5% 1/4W	
	R 608	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 609	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 610	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 611	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 612	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 613	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 614	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 701	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 702	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 703	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 704	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 705	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 706	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 709	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 710	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 711	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 712	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 713	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 714	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 717	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 718	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
⚠	R 721	QRJ146J-331X	C RESISTOR	330 5% 1/4W	
⚠	R 722	QRJ146J-331X	C RESISTOR	330 5% 1/4W	
	R 727	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 728	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
⚠	R 729	QRJ146J-331X	C RESISTOR	330 5% 1/4W	
⚠	R 730	QRJ146J-331X	C RESISTOR	330 5% 1/4W	
⚠	R 739	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 740	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
	R 750	QRJ146J-562X	C RESISTOR	5.6K 5% 1/4W	B,E,EN
	R 751	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	B,E,EN
	RA401	QRB049J-103	R.NETWORK	10K 5% 1/4W	
	RA402	QRB109J-103	R.NETWORK	10K 5% 1/0W	
	R1253	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R1254	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	S 401	QSW0683-001Z	PUSH SWITCH	POWER	
	S 402	QSW0683-001Z	PUSH SWITCH	SURROND	
	S 403	QSW0683-001Z	PUSH SWITCH	ONE TOUCH	
	S 404	QSW0683-001Z	PUSH SWITCH	INPUT ATT	
	S 405	QSW0683-001Z	PUSH SWITCH	DVD	
	S 406	QSW0683-001Z	PUSH SWITCH	DVD MULTI	
	S 407	QSW0683-001Z	PUSH SWITCH	VCR	
	S 408	QSW0683-001Z	PUSH SWITCH	FM	
	S 409	QSW0683-001Z	PUSH SWITCH	CONTROL	
	S 410	QSW0683-001Z	PUSH SWITCH	CONTROL	
	S 411	QSW0683-001Z	PUSH SWITCH	CONTROL	
	S 412	QSW0683-001Z	PUSH SWITCH	CONTROL	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	S 413	QSW0683-001Z	PUSH SWITCH	CD	
	S 414	QSW0683-001Z	PUSH SWITCH	PHONO	
	S 415	QSW0683-001Z	PUSH SWITCH	TAPE/MD	
	S 416	QSW0683-001Z	PUSH SWITCH	AM	
	S 417	QSW0683-001Z	PUSH SWITCH	ADJUT	
	S 418	QSW0683-001Z	PUSH SWITCH	SETTING	
	S 419	QSW0683-001Z	PUSH SWITCH	MEMORY	
	S 420	QSW0683-001Z	PUSH SWITCH	EON	B,E,EN
	S 421	QSW0683-001Z	PUSH SWITCH	TA/NEWS/INFO	B,E,EN
	S 422	QSW0683-001Z	PUSH SWITCH	PTY	B,E,EN
	S 423	QSW0683-001Z	PUSH SWITCH	DISPLAY	B,E,EN
	TH750	QAD0095-4R7Z	P.THERMISTOR		B,E,EN
	X 401	QAX0112-001Z	CRYSTAL		
	X 601	QAX0257-001Z	CRYSTAL		

■ Main P.C.B.

BLOCK NO. 02

△	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 501	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 502	QCS11HJ-271	C CAPACITOR	270PF 5% 50V	
	C 503	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	C,J,U,UY
	C 503	QCS31HJ-331Z	C CAPACITOR	330PF 5% 50V	B,E,EN
	C 504	QCB31HK-152Z	C CAPACITOR	1500PF 10% 50V	
	C 507	QCS11HJ-220	C CAPACITOR	22PF 5% 50V	C,J,U,UY
	C 507	QCS31HJ-100Z	C CAPACITOR	10PF 5% 50V	B,E,EN
	C 508	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	C 511	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 512	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 513	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C 514	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 517	QETN2AM-106Z	E CAPACITOR	10MF 20% 100V	
	C 521	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 522	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 543	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 544	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	
	C 571	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 572	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 581	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 582	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	
	C 751	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 752	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 753	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 754	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 771	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 772	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 773	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	
	C 774	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	
	C 800	QDVB1EZ-223Y	C CAPACITOR		B,E,EN
	C 801	QFN32AK-472Z	M.CAPACITOR	4700PF 10% 100V	
	C 802	QETM1JM-477	AL E.CAPACITOR	470MF 20% 63V	U,UY
	C 802	QET41EM-477	C CAPACITOR	470MF 20% 25V	C,J,B,E,EN
	C 803	QETN1AM-477Z	E CAPACITOR	470MF 20% 10V	U,UY
	C 803	QET41CM-476	E CAPACITOR	47MF 20% 16V	C,J,B,E,EN
△	C 804	QCZ9019-472	C CAPACITOR	4700PF	
	C 811	QETB1VM-228	E CAPACITOR	2200MF 20% 35V	U,UY
	C 811	QETM1VM-228	E CAPACITOR	2200MF 20% 35V	C,J,B,E,EN
	C 812	QFN32AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 813	QFN32AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 816	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C 817	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C 820	QDVB1EZ-223Y	C CAPACITOR		B,E,EN
	C 821	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 822	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 831	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 832	QFVJ1HJ-334Z	M CAPACITOR	.33MF 5% 50V	
	C 833	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	C 840	QET41HM-476	E CAPACITOR	47MF 20% 50V	C,J,U,UY
	C 840	QETN1VM-107Z	E CAPACITOR	100MF 20% 35V	B,E,EN
	C 841	QETN1VM-107Z	E CAPACITOR	100MF 20% 35V	B,E,EN
	C 841	QET41HM-476	E CAPACITOR	47MF 20% 50V	C,J,U,UY
	C 845	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 853	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 854	QET41EM-107	E CAPACITOR	100MF 20% 25V	

BLOCK NO. 02

△	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 861	QEZ0341-688	E CAPACITOR	6800MF	
	C 862	QEZ0341-688	E CAPACITOR	6800MF	
	C 863	QFN82CK-104	M CAPACITOR	.10MF 10% 160V	B,E,EN,U,UY
	C 863	QCE22HP-103	C CAPACITOR	.010MF +100:-0%	C,J
	C 864	QCE22HP-103	C CAPACITOR	.010MF +100:-0%	C,J
	C 864	QFN82CK-104	M CAPACITOR	.10MF 10% 160V	B,E,EN,U,UY
	C 865	QFN82CK-104	M CAPACITOR	.10MF 10% 160V	
	C 885	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 896	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 897	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 903	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	C 904	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 931	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	B,E,EN
	C 932	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	B,E,EN
	C 933	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	B,E,EN
	C 934	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	B,E,EN
	C 935	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN
	C 936	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN
	C 937	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN
	C 938	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN
	C 941	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 942	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 943	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 944	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 945	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 946	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 961	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 962	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 971	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	B,E,EN
	C 972	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 973	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN
	C 974	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN
	C 981	QFLC1HJ-223Z	C CAPACITOR	.022MF 5% 50V	B,E,EN
	C 982	QFLC1HJ-223Z	C CAPACITOR	.022MF 5% 50V	B,E,EN
	C 983	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 984	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	B,E,EN,U,UY
	C 985	QCS31HJ-471Z	C CAPACITOR	470PF 5% 50V	B,E,EN
	C 986	QCS31HJ-471Z	C CAPACITOR	470PF 5% 50V	B,E,EN
	C 987	QCS31HJ-471Z	C CAPACITOR	470PF 5% 50V	B,E,EN
	C 988	QCS31HJ-471Z	C CAPACITOR	470PF 5% 50V	B,E,EN
	CN511	QGA2001C1-09	9P PLUG ASSY		
	CN711	QGB2510J1-10	CONNECTOR		
	CN713	QGB2510J1-05	CONNECTOR		
	CN802	WJK0035-001A	CONN.WIRE ASSY		B,E,EN
	CN811	QGF1205C1-13	CONNECTOR		
	CN831	QGD2501C1-03Z	SOCKET ASSY		
	CN851	QGB2510J1-06	CONNECTOR		
	D 503	1SS133-T2	DIODE		
	D 511	1SS133-T2	DIODE		
	D 512	1SS133-T2	DIODE		
	D 531	1SS133-T2	DIODE		
	D 585	1SS133-T2	DIODE		
	D 586	1SS133-T2	DIODE		
	D 591	1SS133-T2	DIODE		
	D 781	1SS133-T2	DIODE		

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	D 782	1SS133-T2	DIODE		
	D 783	1SS133-T2	DIODE		
	D 784	1SS133-T2	DIODE		
⚠	D 801	1SR139-200-T4	DIODE		
⚠	D 802	1SR139-200-T4	DIODE		
⚠	D 803	1SR139-200-T4	DIODE		
⚠	D 804	1SR139-200-T4	DIODE		
	D 805	MTZJ12C-T2	ZENER DIODE		U,UY
	D 806	1SS133-T2	DIODE		
	D 807	MTZJ6.8C-T2	ZENER DOODE		
	D 808	1SS133-T2	DIODE		
⚠	D 811	10E2-FD	DIODE		
⚠	D 812	10E2-FD	DIODE		
	D 822	MTZJ13C-T2	ZENER DIODE		
	D 831	MTZJ7.5C-T2	ZENER DIODE		
	D 832	MTZJ3.3B-T2	ZENER DIODE		
	D 840	MTZJ10C-T2	ZENER DIODE		
	D 841	MTZJ16C-T2	ZENER DIODE		
	D 851	MTZJ13C-T2	ZENER DIODE		
	D 860	1SS133-T2	DIODE		B,E,EN,U,UY
⚠	D 861	30DF2-FC	DIODE		B,E,EN,U,UY
⚠	D 861	6A20G-E4	DIODE		C,J
⚠	D 862	6A20G-E4	DIODE		C,J
⚠	D 862	30DF2-FC	DIODE		B,E,EN,U,UY
⚠	D 863	30DF2-FC	DIODE		B,E,EN,U,UY
⚠	D 863	6A20G-E4	DIODE		C,J
⚠	D 864	6A20G-E4	DIODE		C,J
⚠	D 864	30DF2-FC	DIODE		B,E,EN,U,UY
	D 885	MTZJ6.2C-T2	ZENER DIODE		
	D 891	MTZJ6.2C-T2	ZENER DIODE		
	D 901	1SS133-T2	DIODE		
	D 902	1SS133-T2	DIODE		
	D 921	1SS133-T2	DIODE		
	D 925	1SS133-T2	DIODE		
	D 951	1SS133-T2	DIODE		
	D 952	1SS133-T2	DIODE		
	EP110	QNZ0136-001Z	EARTH PLATE		
	EP500	QNZ0136-001Z	EARTH PLATE		
	EP800	E409182-001SM	GRAND TERMINAL		
	EP901	E409182-001SM	EARTH TERMINAL		B,E,EN,UY
	EP961	QNZ0136-001Z	EARTH PLATE		
	FC801	QNG0020-001Z	FUSE CLIP		
	FC802	QNG0020-001Z	FUSE CLIP		
	FC803	QNG0020-001Z	FUSE CLIP		B,E,EN,U,UY
	FC804	QNG0020-001Z	FUSE CLIP		B,E,EN,U,UY
	FC805	QNG0020-001Z	FUSE CLIP		U,UY
	FC806	QNG0020-001Z	FUSE CLIP		U,UY
	FC810	QNG0020-001Z	FUSE CLIP		
	FC811	QNG0020-001Z	FUSE CLIP		
	FC812	QNG0020-001Z	FUSE CLIP		
	FC813	QNG0020-001Z	FUSE CLIP		
	FW801	QUM13A-13Z4Z4	F.WIRE ASSY		
	FW831	QUM133-10DGZ4	FLAT WIRE		
	FW901	QUM136-40Z4Z4	FLAT WIRE		
	FW902	QUM135-20Z4Z4	FLAT WIRE		

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	FW961	QUM133-10Z4Z4	FLAT WIRE		
	HS805	E70945-H40B	HEAT SINK		U,UY
⚠	HS841	E70306-001	HEAT SINK		
⚠	HS851	E70945-H40B	HEAT SINK		
⚠	HS891	E70306-001	HEAT SINK		
⚠	IC831	NJM78M05FA	IC		
	J 961	QNS0023-001	JACK		
	L 501	QQLZ005-R45	INDUCTOR		
	L 581	QQLZ005-R45	INDUCTOR		
	L 771	QQLZ005-R45	INDUCTOR		
	L 772	QQLZ005-R45	INDUCTOR		
	L 931	QQLZ005-R45	INDUCTOR		B,E,EN
	L 932	QQLZ005-R45	INDUCTOR		B,E,EN
	L 971	QQLZ005-R45	INDUCTOR		B,E,EN
	L 981	QQLZ005-R45	INDUCTOR		B,E,EN
	L 982	QQLZ005-R45	INDUCTOR		B,E,EN
	Q 501	2SC2240/L/-T	TRANSISTOR		
	Q 502	2SC2240/L/-T	TRANSISTOR		
	Q 503	2SA1038S/SE/-T	TRANSISTOR		
	Q 509	2SA1038S/SE/-T	TRANSISTOR		
	Q 511	2SC2389S/SE/-T	TRANSISTOR		
	Q 512	2SA1038S/SE/-T	TRANSISTOR		
	Q 540	2SD637/QR/	TRANSISTOR		
	Q 568	2SD637/QR/	TRANSISTOR		
	Q 585	2SC2389S/SE/-T	TRANSISTOR		
	Q 586	2SA1038S/SE/-T	TRANSISTOR		
	Q 591	2SA1038S/SE/-T	TRANSISTOR		
	Q 741	2SD637/QR/	TRANSISTOR		
	Q 742	2SD637/QR/	TRANSISTOR		
	Q 781	2SC2389S/SE/-T	TRANSISTOR		
	Q 782	2SC2389S/SE/-T	TRANSISTOR		
	Q 783	2SA1038S/SE/-T	TRANSISTOR		
	Q 784	2SA1038S/SE/-T	TRANSISTOR		
	Q 802	2SC2235/OY/-T	TRANSISTOR		
	Q 803	DTC123YSA-T	D.TRANSISTOR		
	Q 805	2SD1266/Q/	TRANSISTOR		U,UY
⚠	Q 821	2SB1187/EF/	TRANSISTOR		
⚠	Q 841	2SB1187/EF/	TRANSISTOR		
⚠	Q 851	2SD2061/EF/	TRANSISTOR		
	Q 860	DTC123YSA-T	D.TRANSISTOR		B,E,EN,U,UY
	Q 885	2SC2240/GL/-T	TRANSISTOR		
⚠	Q 891	2SD2061/EF/	TRANSISTOR		
	Q 901	2SA1038S/SE/-T	TRANSISTOR		
	Q 902	2SA1038S/SE/-T	TRANSISTOR		
	Q 903	DTC123YSA-T	D.TRANSISTOR		
	Q 904	2SC1740S/RS/-T	TRANSISTOR		
	Q 905	2SC2389S/SE/-T	TRANSISTOR		
	Q 906	2SA1038S/SE/-T	TRANSISTOR		
	Q 951	DTC123YSA-T	D.TRANSISTOR		
	Q 952	DTC123YSA-T	D.TRANSISTOR		
	R 1	QRE141J-103Y	CARBON RESISTOR	10K 5% 1/4W	U,UY
	R 2	QRE141J-103Y	CARBON RESISTOR	10K 5% 1/4W	U,UY
	R 3	QRE141J-103Y	CARBON RESISTOR	10K 5% 1/4W	U,UY
	R 501	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 502	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 503	QRE141J-302Y	C RESISTOR	3.0K 5% 1/4W	
	R 504	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 505	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 507	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 508	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
⚠	R 511	QRJ146J-331X	C RESISTOR	330 5% 1/4W	
	R 512	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 513	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 514	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 515	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
⚠	R 517	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 518	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 523	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 524	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 527	QRZ0196-R22	NET.RESISTOR	1/1W	
⚠	R 528	QRJ125J-330	C RESISTOR	33 5% 1/2W	
	R 531	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 532	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 533	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R 541	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 542	QRE141J-361Y	C RESISTOR	360 5% 1/4W	
	R 543	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 544	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 545	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 546	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
⚠	R 547	QRL022J-100	UNF.OMF.RES	10 5% 1/2W	
	R 548	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 549	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	B,E,EN
	R 549	QRE141J-301Y	C RESISTOR	300 5% 1/4W	C,J,U,UY
	R 550	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 562	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 567	QRE141J-361Y	C RESISTOR	360 5% 1/4W	
⚠	R 571	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 572	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
	R 576	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	B,E,EN
	R 576	QRE141J-301Y	C RESISTOR	300 5% 1/4W	C,J,U,UY
⚠	R 577	QRZ0196-R22	C RESISTOR	1/1W	
⚠	R 581	QRJ125J-330	C RESISTOR	33 5% 1/2W	
⚠	R 582	QRL022J-100	C RESISTOR	10 5% 1/2W	
	R 585	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 586	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 587	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 588	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 591	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 592	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 593	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 594	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 743	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 744	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 745	QRE141J-361Y	C RESISTOR	360 5% 1/4W	
	R 746	QRE141J-361Y	C RESISTOR	360 5% 1/4W	
	R 747	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 748	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
⚠	R 751	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 752	QRJ146J-100X	C RESISTOR	10 5% 1/4W	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
⚠	R 753	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 754	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 771	QRZ0196-R22	NET.RESISTOR	1/1W	
⚠	R 772	QRZ0196-R22	NET.RESISTOR	1/1W	
⚠	R 773	QRJ125J-330	C RESISTOR	33 5% 1/2W	
⚠	R 774	QRJ125J-330	C RESISTOR	33 5% 1/2W	
⚠	R 775	QRL022J-100	UNF.OMF.RES.	10 5% 1/2W	
⚠	R 776	QRL022J-100	UNF.OMF.RES.	10 5% 1/2W	
	R 781	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 782	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 783	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 784	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R 785	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	R 786	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	R 787	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	R 788	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
⚠	R 800	QRZ9044-335	COMP.RESISTOR	3.3M 1/0W	C,J
⚠	R 801	QRJ146J-3R3X	C RESISTOR	3.3 5% 1/4W	U,UY
⚠	R 801	QRJ146J-100X	C RESISTOR	10 5% 1/4W	C,J,B,E,EN
⚠	R 803	QRJ146J-821X	C RESISTOR	820 5% 1/4W	
⚠	R 805	QRJ146J-100X	C RESISTOR	10 5% 1/4W	C,J,B,E,EN
⚠	R 806	QRJ146J-153X	C RESISTOR	15K 5% 1/4W	U,UY
	R 807	QRL012J-332	C RESISTOR	3.3K 5% 1/1W	U,UY
⚠	R 808	QRJ146J-100X	C RESISTOR	10 5% 1/4W	B,E,EN
⚠	R 808	QRJ146J-8R2X	C RESISTOR	8.2 5% 1/4W	U,UY
⚠	R 808	QRJ146J-2R7X	C RESISTOR	2.7 5% 1/4W	C,J
⚠	R 821	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R 822	QRJ146J-182X	C RESISTOR	1.8K 5% 1/4W	
⚠	R 830	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	
⚠	R 831	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	
⚠	R 832	QRJ146J-272X	C RESISTOR	2.7K 5% 1/4W	
⚠	R 840	QRJ146J-220X	C RESISTOR	22 5% 1/4W	
⚠	R 841	QRJ146J-100X	C RESISTOR	10 5% 1/4W	J
⚠	R 841	QRJ146J-2R2X	F RESISTOR	2.2 5% 1/4W	B,E,EN
⚠	R 841	QRZ9005-100X	F RESISTOR	10 1/0W	C,U,UY
⚠	R 842	QRJ146J-472X	C RESISTOR	4.7K 5% 1/4W	
⚠	R 843	QRJ146J-100X	C RESISTOR	10 5% 1/4W	C,J,U,UY
⚠	R 845	QRJ146J-102X	C RESISTOR	1.0K 5% 1/4W	
⚠	R 853	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	B,E,EN
⚠	R 853	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	C,U,UY
⚠	R 853	QRJ146J-4R7X	C RESISTOR	4.7 5% 1/4W	J
⚠	R 854	QRK126J-562X	C RESISTOR	5.6K 5% 1/2W	
	R 860	QRJ146J-220X	C RESISTOR	22 5% 1/4W	B,E,EN,U,UY
	R 861	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 862	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 885	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R 891	QRZ9005-100X	F RESISTOR	10 1/0W	B,E,EN
⚠	R 891	QRZ9005-100X	F RESISTOR	10 1/0W	C,U,UY
⚠	R 891	QRJ146J-120X	C RESISTOR	12 5% 1/4W	J
⚠	R 892	QRJ146J-272X	C RESISTOR	2.7K 5% 1/4W	
	R 901	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 902	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 903	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 904	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 905	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 906	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 909	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 910	QRE141J-823Y	C RESISTOR	82K 5% 1/4W	
	R 911	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 915	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 916	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 917	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 918	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 921	QRJ146J-101X	C RESISTOR	100 5% 1/4W	J
	R 921	QRJ146J-220X	C RESISTOR	22 5% 1/4W	C,U,UY
	R 921	QRJ146J-220X	C RESISTOR	22 5% 1/4W	B,E,EN
	R 931	QRZ9006-4R7X	M CAPACITOR	4.7 1/0W	B,E,EN
	R 932	QRZ9006-4R7X	M CAPACITOR	4.7 1/0W	B,E,EN
	R 933	QRZ9006-4R7X	M CAPACITOR	4.7 1/0W	B,E,EN
	R 934	QRZ9006-4R7X	M CAPACITOR	4.7 1/0W	B,E,EN
	R 951	QRJ146J-220X	C RESISTOR	22 5% 1/4W	C,U,UY
	R 951	QRJ146J-220X	C RESISTOR	22 5% 1/4W	B,E,EN
	R 951	QRJ146J-101X	C RESISTOR	100 5% 1/4W	J
	R 952	QRJ146J-101X	C RESISTOR	100 5% 1/4W	J
	R 952	QRJ146J-220X	C RESISTOR	22 5% 1/4W	B,E,EN
	R 952	QRJ146J-220X	C RESISTOR	22 5% 1/4W	C,U,UY
	R 961	QRL022J-471	UNF OMF.RES.	470 5% 1/2W	
	R 962	QRL022J-471	UNF OMF.RES.	470 5% 1/2W	
	R 971	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	B,E,EN
	R 981	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	B,E,EN
	R 982	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	B,E,EN
⚠	RY801	QSK0055-001	RELAY		
	RY860	QSK0082-001	RELAY		B,E,EN,U,UY
⚠	RY921	QSK0057-001	RELAY		B,E,EN
⚠	RY921	QSK0057-001	RELAY		C,U,UY
⚠	RY921	QSK0095-001	RELAY		J
⚠	RY951	QSK0095-001	RELAY		J
⚠	RY951	QSK0057-001	RELAY		B,E,EN
⚠	RY951	QSK0057-001	RELAY		C,U,UY
	RY952	QSK0057-001	RELAY		B,E,EN
	RY952	QSK0057-001	RELAY		C,U,UY
	RY952	QSK0095-001	RELAY		J
	S 901	QSW0653-001	PUSH SWITCH		
	ST901	QNB0007-001	SPK TERMINAL		
	ST951	QNB0016-001	SPK TERMINAL		
⚠	T 801	ETP1000-41EA	POWER TRANSF.		B,E,EN
⚠	T 801	ETP1000-41ZB	POWER TRANSF.		U,UY
⚠	T 801	ETP1000-41JA	POWER TRANSF.		C,J
	TA801	QNZ0079-001Z	TAB I.M		
	TA802	QNZ0079-001Z	TAB I.M		
⚠	TH540	QAD0012-202	THERMISTOR		
⚠	TH568	QAD0012-202	THERMISTOR		
⚠	TH749	QAD0012-202	THERMISTOR		
⚠	TH750	QAD0012-202	THERMISTOR		
	TP001	QMV5005-004K	4P PLUG ASSY		
	VR741	QVP0004-102Z	V.RES. I.M		
	VR742	QVP0004-102Z	V.RES. I.M		
	VS801	QSW0524-001	LEVER SWITCH		U,UY

■ Audio/Video Input P.C.B

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 181	QFLC1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
	C 182	QFLC1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
	C 201	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 202	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 203	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 204	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 205	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 206	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 211	QETN0JM-108Z	E CAPACITOR	1000MF 20% 6.3V	C,J,U,UY
	C 212	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	C,J,U,UY
	C 213	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	C,J,U,UY
	C 214	QETN0JM-108Z	E CAPACITOR	1000MF 20% 6.3V	C,J,U,UY
	C 215	QDVB1EZ-223Y	C CAPACITOR		C,J,U,UY
	C 216	QETN1CM-108Z	E CAPACITOR	1000MF 20% 16V	C,J,U,UY
	C 217	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	C,J,U,UY
	C 218	QCS11HJ-470	C CAPACITOR	47PF 5% 50V	C,J,U,UY
	C 219	QETN1HM-104Z	E CAPACITOR	.10MF 20% 50V	C,J,U,UY
	C 261	QET41EM-476	E CAPACITOR	47MF 20% 25V	C,J,U,UY
	C 300	QDVB1EZ-223Y	C CAPACITOR		
	C 301	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 302	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 303	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 304	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 305	QFN41HJ-182	M CAPACITOR	1800PF 5% 50V	
	C 306	QFN41HJ-182	M CAPACITOR	1800PF 5% 50V	
	C 307	QFN41HJ-682	M CAPACITOR	6800PF 5% 50V	
	C 308	QFN41HJ-682	M CAPACITOR	6800PF 5% 50V	
	C 309	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 310	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C 311	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 312	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 313	QET41AM-107	E CAPACITOR	100MF 20% 10V	
	C 314	QET41AM-107	E CAPACITOR	100MF 20% 10V	
	C 315	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	C 316	QET41CM-476	E CAPACITOR	47MF 20% 16V	
	C 321	QDVB1EZ-223Y	C CAPACITOR		
	C 322	QDVB1EZ-223Y	C CAPACITOR		
	C 323	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 325	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 326	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 327	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 328	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 329	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 330	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 331	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 332	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 333	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 334	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 335	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 336	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 337	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 338	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 339	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 340	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 341	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 342	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 343	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 344	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 345	QDVB1EZ-223Y	C CAPACITOR		
	C 346	QDVB1EZ-223Y	C CAPACITOR		
	C 347	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 348	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 351	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 352	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 353	QDVB1EZ-223Y	C CAPACITOR		
	C 354	QDVB1EZ-223Y	C CAPACITOR		
	C 355	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 356	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 357	QDVB1EZ-223Y	C CAPACITOR		
	C 358	QDVB1EZ-223Y	C CAPACITOR		
	C 359	QDVB1EZ-223Y	C CAPACITOR		
	C 360	QDVB1EZ-223Y	C CAPACITOR		
	C 361	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 362	QETN1EM-226Z	E CAPACITOR	22MF 20% 25V	
	C 363	QETN1EM-226Z	E CAPACITOR	22MF 20% 25V	
	C 364	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 365	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 366	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 367	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C 371	QCB31HK-822Z	C CAPACITOR	8200PF 10% 50V	
	C 372	QCB31HK-822Z	C CAPACITOR	8200PF 10% 50V	
	C 373	QFLC1HJ-153Z	M CAPACITOR	.015MF 5% 50V	
	C 374	QFLC1HJ-153Z	M CAPACITOR	.015MF 5% 50V	
	C 375	QFVF1HJ-334Z	TF CAPACITOR	.33MF 5% 50V	
	C 376	QFVF1HJ-334Z	TF CAPACITOR	.33MF 5% 50V	
	C 377	QDVB1EZ-223Y	C CAPACITOR		
	C 378	QDVB1EZ-223Y	C CAPACITOR		
	C 379	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 380	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C 381	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C 382	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C 383	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C 384	QET41EM-107	E CAPACITOR	100MF 20% 25V	
	C 385	QDVB1EZ-223Y	C CAPACITOR		
	C 387	QDVB1EZ-223Y	C CAPACITOR		
	C 388	QDVB1EZ-223Y	C CAPACITOR		
	C 389	QDVB1EZ-223Y	C CAPACITOR		
	C 390	QDVB1EZ-223Y	C CAPACITOR		
	C 391	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 392	QFV41HJ-104	TF CAPACITOR	.10MF 5% 50V	
	C 393	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	CN121	QGB2501J1-12	CONNECTOR		
	CN122	QGB2501J1-04	CONN.TERMINAL		B,E,EN
	CN301	QGB2510K1-15	CONNEOTOR		
	CN311	QGB2510J1-15	CONNECTOR		
	CN314	QGF1205C1-29	CONNECTOR		
	CN414	QGA2001C1-04	4P PULG ASS'Y		B,E,EN
	CN501	QJB001-091304	WIRE ASSY		
	CN502	QJF001-03400H	SKT.WIRE ASSY		
	CN512	QGA2001C1-03	3P PLUG ASSY		

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	CN603	QGB2510K1-07	CONNECTOR		
	CN604	QGB2510K1-07	CONNECTOR		
	CN608	QGB2510K1-04	CONNECTOR		
	CN609	QJF001-03360H	SKT WIRE		
	CN611	QGB2510J1-08	CONNECTOR		
	CN612	QGB2510J1-09	CONNECTOR		
	CN613	QGB2510J1-07	CONNECTOR		
	CN614	QGB2510J1-07	CONNECTOR		
	CN615	QGB2510J1-06	CONNECTOR		
	CN616	QGB2510J1-04	CONNECTOR		
	CN618	QGB2510J1-04	CONNECTOR		
	CN619	QGA2001C1-03	3P PLUG ASSY		
	CN702	QJF002-06360H	SOCKET WIRE ASS		
	C1001	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1002	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1003	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1004	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1005	QFVJ1HJ-684Z	M.M.CAPACITOR	.68MF 5% 50V	
	C1006	QFVJ1HJ-684Z	M.M.CAPACITOR	.68MF 5% 50V	
	C1007	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	
	C1008	QFLC1HJ-223Z	M CAPACITOR	.022MF 5% 50V	
	C1011	QDVB1EZ-223Y	C CAPACITOR		
	C1012	QDVB1EZ-223Y	C CAPACITOR		
	C1013	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C1014	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C1031	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1032	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1033	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1034	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1035	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1036	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1038	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1051	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1052	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1053	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1054	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1055	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1056	QET41HM-475	E CAPACITOR	4.7MF 20% 50V	
	C1057	QET41AM-107	E CAPACITOR	100MF 20% 10V	
	C1500	QDVB1EZ-223Y	C CAPACITOR		B,E,EN
	C1500	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	C,J,U,UY
	C1501	QEHR1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1502	QCS11HJ-271	C CAPACITOR	270PF 5% 50V	
	C1503	QCS31HJ-331Z	C CAPACITOR	330PF 5% 50V	B,E,EN
	C1503	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	C,J,U,UY
	C1504	QCB31HK-152Z	C CAPACITOR	1500PF 10% 50V	
	C1507	QCS31HJ-220Z	C CAPACITOR	22PF 5% 50V	C,J,U,UY
	C1507	QCS31HJ-100Z	C CAPACITOR	10PF 5% 50V	B,E,EN
	C1508	QEHR1VM-476Z	E CAPACITOR	47MF 20% 35V	
	C1511	QEHR1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C1512	QFN41HJ-103	M CAPACITOR	.010MF 5% 50V	
	C1513	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C1514	QEHR1HM-476Z	E CAPACITOR	47MF 20% 50V	
	C1517	QEHR2AM-106Z	E CAPACITOR	10MF 20% 100V	
	C1521	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C1522	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1543	QFN41HJ-473	M CAPACITOR	.047MF 5% 50V	
	C1544	QFN41HJ-473	M CAPACITOR	.047MF 5% 50V	
	D 301	MTZJ7.5C-T2	ZENER DIODE		
	D 302	MTZJ7.5C-T2	ZENER DIODE		
	D 303	MTZJ10C-T2	ZENER DIODE		
	D 304	1SS133-T2	DIODE		
	D 305	1SS133-T2	DIODE		
	D1503	1SS133-T2	DIODE		
	D1511	1SS133-T2	DIODE		
	D1512	1SS133-T2	DIODE		
	D1531	1SS133-T2	DIODE		
	EP201	E409182-001SM	GRAND TERMINAL		C,J,U,UY
	FL141	QQR0590-001	FILTER		
	FL142	QQR0590-001	FILTER		
	HL341	VYH7237-003	IC HOLDER		
	IC201	NJM2246D	IC		C,J,U,UY
	IC301	NJM4580DD	IC		
	IC311	BA15218N	IC		
	IC312	BA15218N	IC		
	IC313	BA15218N	IC		
	IC321	TC9164AN	IC		
	IC322	TC9162AN	IC		
	IC323	BU4066BC	IC		
	IC331	BA15218	IC		
	IC332	BA15218	IC		
	IC333	BA15218	IC		
	IC341	M62446FP	IC		
	IC351	BA15218N	IC		
	IC352	BA15218N	IC		
	J 211	QNN0180-001	PIN JACK		
	J 212	QNN0059-001	PIN JACK	(VCR REC)	C,J,U,UY
	J 213	QNN0059-001	PIN JACK	(VCR PLAY)	C,J,U,UY
	J 214	QNN0059-001	PIN JACK	(DVD)	C,J,U,UY
	J 215	QNN0059-001	PIN JACK	(M.OUT)	C,J,U,UY
	J 301	QNN0163-001	PIN JACK		
	J 302	QNN0163-001	PIN JACK		
	J 303	QNN0163-001	PIN JACK		
	J 311	QNN0017-001	PIN JACK		
	K1001	QQR0601-001Z	F.BEADS I.M		C,J,U,UY
	K1002	QQR0601-001Z	F.BEADS I.M		C,J,U,UY
	L1501	QQLZ005-R45	INDUCTOR		
	Q 201	2SC458/CD/-T	TRANSISTOR		C,J,U,UY
	Q 203	DTC143ESA-T	TRANSISTOR		C,J,U,UY
	Q 216	2SC458/CD/-T	TRANSISTOR		C,J,U,UY
	Q 217	2SA933S/RS/-T	TRANSISTOR		C,J,U,UY
	Q 218	2SA933S/RS/-T	TRANSISTOR		C,J,U,UY
	Q 341	2SD2144S/VW/-T	TRANSISTOR		
	Q 342	2SD2144S/VW/-T	TRANSISTOR		
	Q 351	DTA144ESA-T	D.TRANSISTOR		
	Q 352	DTC144ESA-T	D.TRANSISTOR		
	Q 353	DTA144ESA-T	D.TRANSISTOR		
	Q 354	DTA144ESA-T	D.TRANSISTOR		
	Q 361	2SK301/QR/-T	FET		
	Q 362	2SK301/QR/-T	FET		

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 363	2SK301/QR/-T	FET		
	Q 364	2SK301/QR/-T	FET		
	Q 365	2SD2144S/VW/-T	TRANSISTOR		
	Q 366	2SD2144S/VW/-T	TRANSISTOR		
	Q 367	2SD2144S/VW/-T	TRANSISTOR		
	Q 368	2SD2144S/VW/-T	TRANSISTOR		
	Q 369	2SD2144S/VW/-T	TRANSISTOR		
	Q 370	2SD2144S/VW/-T	TRANSISTOR		
	Q 371	DTA144ESA-T	D.TRANSISTOR		
	Q 372	DTA144ESA-T	D.TRANSISTOR		
	Q 373	DTC144ESA-T	D.TRANSISTOR		
	Q 374	DTA144ESA-T	D.TRANSISTOR		
	Q 376	2SD2144S/VW/-T	TRANSISTOR		
	Q 381	2SA965/OY/-T	TRANSISTOR		
	Q 382	2SC2060/QR/-T	TRANSISTOR		
	Q 383	2SC2060/QR/-T	TRANSISTOR		
	Q1501	2SC2240/L/-T	TRANSISTOR		
	Q1502	2SC2240/L/-T	TRANSISTOR		
	Q1503	2SA1038S/SE/-T	TRANSISTOR		
	Q1509	2SA1038S/SE/-T	TRANSISTOR		
	Q1511	2SC2389S/SE/-T	TRANSISTOR		
	Q1512	2SA1038S/SE/-T	TRANSISTOR		
	Q1540	2SD637/QR/	TRANSISTOR		
	R 163	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 164	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 201	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 202	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 203	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 204	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 205	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 206	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 211	QRE141J-750Y	C RESISTOR	75 5% 1/4W	C,J,U,UY
	R 212	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	C,J,U,UY
	R 213	QRE141J-331Y	C RESISTOR	330 5% 1/4W	C,J,U,UY
	R 214	QRE141J-750Y	C RESISTOR	75 5% 1/4W	C,J,U,UY
	R 215	QRE141J-331Y	C RESISTOR	330 5% 1/4W	C,J,U,UY
	R 216	QRE141J-750Y	C RESISTOR	75 5% 1/4W	C,J,U,UY
	R 217	QRE141J-750Y	C RESISTOR	75 5% 1/4W	C,J,U,UY
	R 218	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	C,J,U,UY
	R 221	QRE141J-151Y	C RESISTOR	150 5% 1/4W	C,J,U,UY
	R 222	QRE141J-151Y	C RESISTOR	150 5% 1/4W	C,J,U,UY
	R 223	QRE141J-151Y	C RESISTOR	150 5% 1/4W	C,J,U,UY
	R 224	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	C,J,U,UY
	R 225	QRE141J-151Y	C RESISTOR	150 5% 1/4W	C,J,U,UY
	R 227	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	C,J,U,UY
⚠	R 271	QRJ146J-6R8X	UNF C RESISTOR	6.8 5% 1/4W	C,J,U,UY
	R 301	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 302	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 303	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 304	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 305	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 306	QRE141J-561Y	C RESISTOR	560 5% 1/4W	
	R 307	QRE141J-393Y	C RESISTOR	39K 5% 1/4W	
	R 308	QRE141J-393Y	C RESISTOR	39K 5% 1/4W	
	R 309	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 310	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	R 311	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 312	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R 313	QRJ146J-391X	C RESISTOR	390 5% 1/4W	
⚠	R 314	QRJ146J-391X	C RESISTOR	390 5% 1/4W	
	R 321	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 322	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 323	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 325	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 326	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 327	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 328	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 329	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 330	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 331	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 332	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 333	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 334	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 335	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 336	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 337	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 341	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 342	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 343	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 344	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 345	QRE141J-511Y	C RESISTOR	510 5% 1/4W	
	R 346	QRE141J-511Y	C RESISTOR	510 5% 1/4W	
	R 347	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 348	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 349	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 350	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
⚠	R 351	QRJ146J-271X	C RESISTOR	270 5% 1/4W	
⚠	R 352	QRJ146J-271X	C RESISTOR	270 5% 1/4W	
	R 353	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 354	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 355	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 356	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 357	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
⚠	R 361	QRJ146J-271X	C RESISTOR	270 5% 1/4W	
⚠	R 362	QRJ146J-271X	C RESISTOR	270 5% 1/4W	
	R 363	QRE141J-432Y	C RESISTOR	4.3K 5% 1/4W	
	R 364	QRE141J-562Y	C RESISTOR	5.6K 5% 1/4W	
	R 365	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 366	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 367	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 368	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 371	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 372	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 373	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 375	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 376	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 377	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R 378	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R 379	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R 381	QRE141J-363Y	C RESISTOR	36K 5% 1/4W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 382	QRE141J-363Y	C RESISTOR	36K 5% 1/4W	
	R 383	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 384	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 385	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 386	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 391	QRJ146J-220X	C RESISTOR	22 5% 1/4W	
	R 392	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 393	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	C,J,U,UY
	R 394	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	C,J,U,UY
	R 395	QRJ146J-8R2X	UF RESISTOR	8.2 5% 1/4W	
	R1001	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1002	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1003	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R1004	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R1005	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1006	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1007	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1008	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1009	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1010	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1011	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1012	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1013	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1014	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1015	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1016	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1017	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1018	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1019	QRE141J-513Y	C RESISTOR	51K 5% 1/4W	
	R1020	QRE141J-513Y	C RESISTOR	51K 5% 1/4W	
⚠	R1021	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1022	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1023	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1024	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1025	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1031	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1032	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1033	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1034	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1035	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1036	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1037	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1038	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1039	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1040	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1041	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1042	QRE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R1044	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1045	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1046	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
⚠	R1049	QRZ9005-680X	F RESISTOR	68 1/0W	
⚠	R1050	QRZ9005-680X	F RESISTOR	68 1/0W	
	R1051	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1052	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1053	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	

BLOCK NO. 03

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R1054	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1055	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1056	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1057	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1058	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1059	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1060	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1061	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1062	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1063	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1064	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R1065	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
⚠	R1071	QRZ9005-100X	F RESISTOR	10 1/0W	
	R1072	QRJ146J-222X	C RESISTOR	2.2K 5% 1/4W	
⚠	R1073	QRZ9005-100X	F RESISTOR	10 1/0W	
	R1074	QRJ146J-222X	C RESISTOR	2.2K 5% 1/4W	
⚠	R1075	QRZ9005-100X	F RESISTOR	10 1/0W	
⚠	R1076	QRJ146J-102X	C RESISTOR	1.0K 5% 1/4W	
	R1501	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1502	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R1503	QRE141J-302Y	C RESISTOR	3.0K 5% 1/4W	
	R1504	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R1505	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R1507	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R1508	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
⚠	R1511	QRJ146J-331X	C RESISTOR	330 5% 1/4W	
	R1512	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1513	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1514	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1515	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
⚠	R1517	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R1518	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R1523	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
⚠	R1524	QRJ146J-100X	C RESISTOR	10 5% 1/4W	
	R1527	QRZ0196-R22	NET.RESISTOR	1/1W	
⚠	R1528	QRJ125J-330	C RESISTOR	33 5% 1/2W	
	R1531	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1532	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R1533	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1541	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R1542	QRE141J-361Y	C RESISTOR	360 5% 1/4W	
	R1543	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R1544	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R1545	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
	R1546	QRE141J-181Y	C RESISTOR	180 5% 1/4W	
⚠	R1547	QRL022J-100	UNF.OMF.RES.	10 5% 1/2W	
	R1549	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	B,E,EN
	R1549	QRE141J-301Y	C RESISTOR	300 5% 1/4W	C,J,U,UY
⚠	TH541	QAD0012-202	THERMISTOR		

■ Tuner P.C.B. (Ver. J/C/U/UY)

BLOCK NO. 04

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	AT101	QNB0014-001	ANT TERMINAL		
	BK 1	E308963-224SM	SHIELD BKT		
	C 101	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
	C 103	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 105	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 107	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 111	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 112	NDC21HJ-120X	C CAPACITOR		
	C 121	NDC21HJ-120X	C CAPACITOR		
	C 122	NDC21HJ-120X	C CAPACITOR		
	C 123	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 126	NCS21HJ-101X	C CAPACITOR	100PF 5% 50V	
	C 128	QEN41HM-474	N.P.E.CAPACITOR	.47MF 20% 50V	
	C 129	NCB21HK-102X	C CAPACITOR	1000PF 10% 50V	
	C 130	QEKC1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 133	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 134	NCB21HK-222X	C CAPACITOR	2200PF 10% 50V	
	C 135	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 136	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 137	NCB21HK-331X	C CAPACITOR	330PF 10% 50V	
	C 139	NCB21HK-333X	C CAPACITOR	.033MF 10% 50V	C,J
	C 139	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	U,UY
	C 140	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	U,UY
	C 140	NCB21HK-333X	C CAPACITOR	.033MF 10% 50V	C,J
	C 141	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 143	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 144	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 146	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 147	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 148	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 149	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 150	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 156	QDGB1HK-102Y	C CAPACITOR		
	C 157	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 158	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 161	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 162	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 163	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 164	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 168	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 184	QEKC1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 185	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 186	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	CF101	QAX0419-001Z	C FILTER		
	CF102	QAX0419-001Z	C FILTER		
	CF103	QAX0519-001Z	C FILTER		
	CN111	QGB2501K2-12	CONECTOR		
	D 121	1SS133-T2	DIODE		
	D 123	1SS133-T2	DIODE		
	D 129	1SS133-T2	DIODE		
	IC102	LA1838	IC		
	IC121	LC72136N	IC		
	Q 102	2SC535/BC/-T	TRANSISTOR		
	Q 103	2SC461/BC/-T	TRANSISTOR		
	Q 121	DTA124ESA-T	D.TRANSISTOR	FM+B	

■ Tuner P.C.B. (Ver. B/E/EN)

BLOCK NO. 04

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 103	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R 104	NRSA02J-272X	MG RESISTOR	2.7K 5% 1/10W	
	R 105	NRSA02J-391X	MG RESISTOR	390 5% 1/10W	
	R 106	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 107	NRSA02J-561X	MG RESISTOR	560 5% 1/10W	
	R 108	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
	R 109	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
	R 115	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 119	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 122	NRSA02J-472X	MG RESISTOR	4.7K 5% 1/10W	
	R 124	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R 126	NRSA02J-562X	MG RESISTOR	5.6K 5% 1/10W	
	R 127	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R 128	NRSA02J-472X	MG RESISTOR	4.7K 5% 1/10W	
	R 129	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R 130	QRZ9005-680X	F RESISTOR	68 1/0W	
	R 132	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
	R 133	NRSA02J-392X	MG RESISTOR	3.9K 5% 1/10W	
	R 134	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 140	NRSA02J-183X	MG RESISTOR	18K 5% 1/10W	
	R 141	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 142	NRSA02J-470X	MG RESISTOR	47 5% 1/10W	
	R 143	NRSA02J-562X	MG RESISTOR	5.6K 5% 1/10W	
	R 144	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
	R 145	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 146	NRSA02J-472X	MG RESISTOR	4.7K 5% 1/10W	
	R 147	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
	R 150	NRSA02J-331X	MG RESISTOR	330 5% 1/10W	
	R 157	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R 158	NRSA02J-682X	MG RESISTOR	6.8K 5% 1/10W	
	R 161	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 162	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 182	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 183	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 184	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	RF101	QAU0124-001	FRONT END		
	T 111	QQR0796-001	COIL BLOCK		
	T 142	QQR0973-001	IFT		
	X 121	QAX0402-001	CRYSTAL		

BLOCK NO. 05

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	AT101	QNB0014-001	ANT TERMINAL		
	BK 1	E308963-224SM	SHIELD BKT		
	C 101	NCB21HK-103X	C CAPACITOR	.010MF 10% 50V	
	C 103	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 105	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 107	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 111	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 112	NDC21HJ-120X	C CAPACITOR		
	C 117	NCS21HJ-6R0X	C CAPACITOR	6.0PF 5% 50V	
	C 118	NCS21HJ-150X	C CAPACITOR	15PF 5% 50V	
	C 121	NDC21HJ-120X	C CAPACITOR		
	C 122	NDC21HJ-120X	C CAPACITOR		
	C 123	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 126	NCS21HJ-101X	C CAPACITOR	100PF 5% 50V	
	C 128	QEN41HM-474	N.P.E.CAPACITOR	.47MF 20% 50V	
	C 129	NCB21HK-102X	C CAPACITOR	1000PF 10% 50V	
	C 130	QEKC1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 133	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 134	NCB21HK-222X	C CAPACITOR	2200PF 10% 50V	
	C 135	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 136	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 137	NCS21HJ-680X	C CAPACITOR	68PF 5% 50V	
	C 139	NCB21HK-393X	C CAPACITOR	.039MF 10% 50V	
	C 140	NCB21HK-393X	C CAPACITOR	.039MF 10% 50V	
	C 141	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 143	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 144	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 146	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 147	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 148	QEK41HM-224	E CAPACITOR	.22MF 20% 50V	
	C 149	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 150	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 156	QDGB1HK-102Y	C CAPACITOR		
	C 157	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 158	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
	C 161	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 162	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 163	NCB21HK-223X	C CAPACITOR	.022MF 10% 50V	
	C 164	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 168	QEK41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 184	QEKC1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 185	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 186	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 191	NCS21HJ-820X	C CAPACITOR	82PF 5% 50V	
	C 192	NCS21HJ-470X	C CAPACITOR	47PF 5% 50V	
	C 193	NCB21HK-561X	C CAPACITOR	560PF 10% 50V	
	C 194	NCB21HK-104X	C CAPACITOR	.10MF 10% 50V	
	C 195	NCB21HK-331X	C CAPACITOR	330PF 10% 50V	
	C 196	QEK41HM-225	E CAPACITOR	2.2MF 20% 50V	
	C 197	NCB21HK-473X	C CAPACITOR	.047MF 10% 50V	
	C 199	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	CF101	QAX0285-001Z	C.FILTER		
	CF102	QAX0285-001Z	C.FILTER		
	CF103	QAX0519-001Z	C FILTER		
	CN111	QGB2501K2-12	CONECTOR		

BLOCK NO. 05

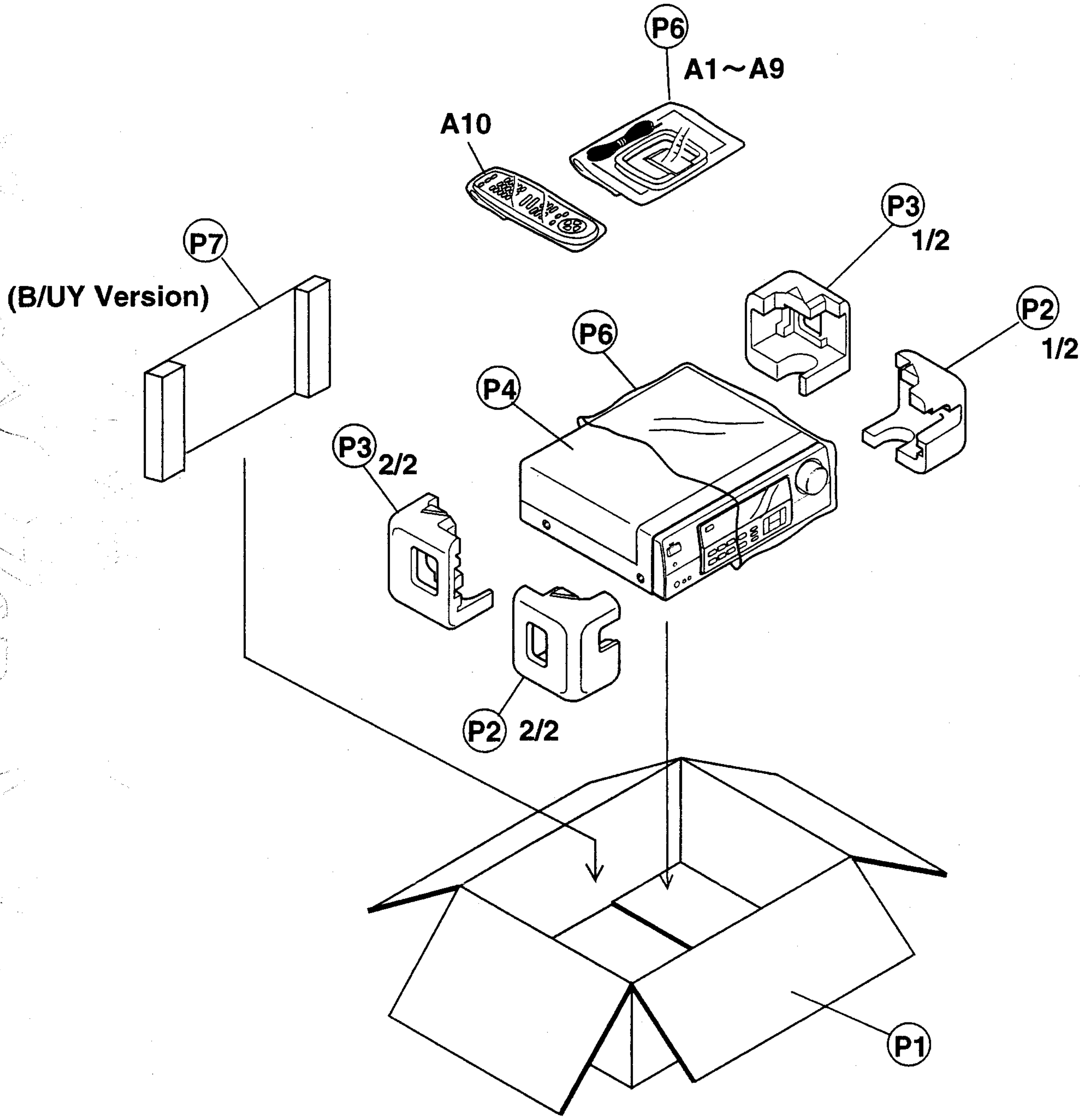
⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	CN112	QGB2501K1-04	CONNECTOR		
	D 121	1SS133-T2	DIODE		
	D 123	1SS133-T2	DIODE		
	D 129	1SS133-T2	DIODE		
	D 131	1SS133-T2	DIODE		
	IC102	LA1838	IC		
	IC121	LC72136N	IC		
	IC191	SAA6588	IC(RDS)		
	L 111	QQL231K-150Y	INDUCTOR		
	Q 102	2SC535/BC/-T	TRANSISTOR		
	Q 103	2SC461/BC/-T	TRANSISTOR		
	Q 111	KTC3199/GL/-T	TRANSISTOR		
	Q 112	KTC3199/GL/-T	TRANSISTOR		
	Q 113	DTA114YKA-X	TRANSISTOR		
	Q 121	DTA124ESA-T	D.TRANSISTOR		
	R 103	NRSA02J-101X	MG RESISTOR	100 5% 1/10W	
	R 104	NRSA02J-272X	MG RESISTOR	2.7K 5% 1/10W	
	R 105	NRSA02J-391X	MG RESISTOR	390 5% 1/10W	
	R 106	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 107	NRSA02J-561X	MG RESISTOR	560 5% 1/10W	
	R 108	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
	R 109	NRSA02J-221X	MG RESISTOR	220 5% 1/10W	
	R 111	NRSA02J-472X	MG RESISTOR	4.7K 5% 1/10W	
	R 112	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 114	NRSA02J-122X	MG RESISTOR	1.2K 5% 1/10W	
	R 115	NRSA02J-104X	MG RESISTOR	100K 5% 1/10W	
	R 119	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 122	NRSA02J-472X	MG RESISTOR	4.7K 5% 1/10W	
	R 124	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R 126	NRSA02J-562X	MG RESISTOR	5.6K 5% 1/10W	
	R 127	NRSA02J-822X	MG RESISTOR	8.2K 5% 1/10W	
	R 128	NRSA02J-472X	MG RESISTOR	4.7K 5% 1/10W	
	R 129	NRSA02J-222X	MG RESISTOR	2.2K 5% 1/10W	
	R 130	QRZ9005-680X	F RESISTOR	68 1/0W	
	R 132	NRSA02J-393X	MG RESISTOR	39K 5% 1/10W	
	R 133	NRSA02J-392X	MG RESISTOR	3.9K 5% 1/10W	
	R 134	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 140	NRSA02J-563X	MG RESISTOR	56K 5% 1/10W	
	R 141	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 142	NRSA02J-470X	MG RESISTOR	47 5% 1/10W	
	R 143	NRSA02J-562X	MG RESISTOR	5.6K 5% 1/10W	
	R 144	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
	R 145	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 146	NRSA02J-472X	MG RESISTOR	4.7K 5% 1/10W	
	R 147	NRSA02J-332X	MG RESISTOR	3.3K 5% 1/10W	
	R 150	NRSA02J-331X	MG RESISTOR	330 5% 1/10W	
	R 157	NRSA02J-272X	MG RESISTOR	2.7K 5% 1/10W	
	R 158	NRSA02J-272X	MG RESISTOR	2.7K 5% 1/10W	
	R 161	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 162	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 182	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 183	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 184	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 191	NRSA02J-102X	MG RESISTOR	1.0K 5% 1/10W	
	R 192	NRSA02J-474X	MG RESISTOR	470K 5% 1/10W	

BLOCK NO. 05

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 193	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	R 194	NRSA02J-103X	MG RESISTOR	10K 5% 1/10W	
	RF101	QAU0119-001	FRONT END	FOR FTZ	
	T 111	QQR0871-001	COIL BLOCK		
	T 142	QQR0973-001	IFT		
	X 121	QAX0402-001	CRYSTAL		
	X 191	QAX0263-001Z	CRYSTAL		

Packing Materials and Accessories Parts List

Block No. M 2 M M
Block No. M 3 M M


P6
A1~A9
A10
P3
1/2
P7
(B/UY Version)
P2
1/2
P6
P4
P3
2/2
P2
2/2
P1

■ Packing Parts List

BLOCK NO. M2MM□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	P 1	LV30044-069A	PACKING CASE	RX-558VBK	1	C,J	
		LV30044-070A	PACKING CASE	RX-558VBK	1	U	
		LV30044-071A	PACKING CASE	RX-558RBK	1	E,EN	
		LV30044-088A	PACKING CASE	RX-558VBK	1	UY	
		LV30044-072A	PACKING CASE	RX-558RBK	1	B	
	P 2	LV20231-001A	PACKING PAD(F)		1		
	P 3	LV20232-001A	PACKING PAD(R)		1		
	P 4	E73660-006	SHEET		1		
	P 5	LV40363-001A	POLY BAG		1		
	P 6	QPA02503505P	POLY BAG		1		
	P 7	LV30386-001A	PACKING SHEET	RX-558VBK	1	UY	
		LV30385-002A	PACKING SHEET	RX-558RBK	1	B	

■ Accessories Parts List

BLOCK NO. M3MM□□□

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A 1	LVT0141-001A	INST/RX-558VBK	ENG	1	J	
		LVT0141-005A	INST/RX-558RBK	SWE,FIN,DAN	1	EN	
		LVT0141-006A	INST/RX-558VBK	ARA,POL	1	U,UY	
		LVT0141-005A	INST/RX-558RBK	GER,FRE,DUT	1	EN	
		LVT0141-006A	INST/RX-558VBK	ENG,SPA,CHI	1	U,UY	
		LVT0141-004A	INST/RX-558RBK	ENG,GER,FRE	1	E	
		LVT0141-004A	INST/RX-558RBK	DUT,SPA,ITA	1	E	
		LVT0141-002A	INST/RX-558VBK	ENG,FRE	1	C	
		LVT0141-003A	INST/RX-558RBK	ENG	1	B	
	A 2	BT-51020-1	SERVICE NETWORK		1	J	
		BT-20071B	SERVICE NETWORK		1	C	
	A 3	BT-20044G	SAFETY SHEET		1	J	
		E43486-340A	SAFETY SHEET		1	B	
	A 4	BT-52002-1	WARRANTY CARD		1	C	
		BT-54008-2	WARRANTY CARD		1	B,E,EN	
	A 5	VNA3000-202	REGISTER CARD		1	B	
	A 6	EWP503-001	ANT.WIRE		1		
	A 7	QAL0014-001	AM LOOP ANT		1		
	A 8	QAM0054-001	CONVERSION PLUG		1	U	
	A 9	----------------	BATTERY		1		
	A 10	RM-SR558RU	REMOCON	RX-558RBK	1	B,E,EN	
		RM-SR558U	REMOCON	RX-558VBK	1	C,J	
		RM-SR558XU	REMOCON	RX-558VBK	1	U,UY	